ORDER NO. PBRAS0912032CP

Manual de Serviço

Televisão de LCD

TC-L42S10B

Chassi KM03

Alimentação			110-220 V ~ 50/60 Hz	
Consumo	**Uso médio**		199 W	
	Condição em espera		0,7 W (consumo médio em 220 V ~)	
Tela	**Faixa de aspecto**		16:9	
	Tamanho visível da tela		106 cm (diagonal)	
			930 mm (L) × 523 mm (A)	
	Número de pixels		2.073.600 (1.920 (L) × 1080 (A))	
Som	**Alto-falante**		Full range x 2 peças, 8 Ω	
	Saída de áudio		20 W (10 W + 10 W), 10% THD	
	Fone de ouvido		M3 (3,5 mm) minijack estéreo ×1	
Sinais de computador			VGA, SVGA, XGA SXGA ..... (comprimido) Frequência de leitura horizontal 31 - 69 kHz Frequência de leitura vertical 59 - 86 Hz	
Sistema de recepção/Nome da banda			1. PAL-M 2. PAL-N 3. NTSC — Recepção de transmissão e reprodução em videocassete ou DVD	
Canais de recepção (TV Normal)			**BANDA VHF** 2-13 (NTSC M EUA)	**BANDA UHF** 14-69 (NTSC M EUA) **CATV** 1-125 (EUA CATV)
Antena - Traseira			VHF / UHF	
Condições de operação			**Temperatura:** 0°C - 40°C **Umidade:** 20% - 80% HR (sem condensação)	
Terminais de conexão	Entrada AV1	**AUDIO L - R**	Tipo RCA PINO ×2	0,5 V[rms]
		VIDEO	Tipo RCA PINO ×1	1,0 V[p-p] (75 Ω)
		COMPONENT	Y P_B/C_B, P_R/C_R	1,0 V[p-p] (incluindo sincronismo) ±0,35 V[p-p]
	Entrada AV2	**AUDIO L - R**	Tipo RCA PINO ×2	0,5 V[rms]
		VIDEO	Tipo RCA PINO ×1	1,0 V[p-p] (75 Ω)
		COMPONENT	Y P_B/C_B, P_R/C_R	1,0 V[p-p] (incluindo sincronismo) ±0,35 V[p-p]
	Entrada AV3	**AUDIO L - R**	Tipo RCA PINO ×2	0,5 V[rms]
		VIDEO	Tipo RCA PINO ×1	1,0 V[p-p] (75 Ω)
		S VIDEO	Mini DIN 4 pinos	Y: 1,0 v[p-p] (75 Ω) C:0,286 V[p-p] (75 Ω)
	Outros	**Entrada HDMI1/2/3**	Conectores Tipo A	• Este TV suporta a função “HDAVI Control 4”
		Entrada PC	HIGH-DENSITY D-SUB 15 PINOS	R, G, B/0,7 V [p-p] (75 Ω) HD, VD/TTL Nível 2,0 - 5,0 V[p-p] (alta impedancia)
		Entrada de cartão	Entrada SD CARD ×1	
	Saída Monitor	**AUDIO L - R**	Tipo RCA PINO ×2	0,5 V[rms] (alta impedância)
		VIDEO	Tipo RCA PINO ×1	1,0 V[p-p] (75 Ω)
Dimensões (L × A × P)			1021 mm x 680 mm x 310 mm (com pedestal) 1021 mm x 637 mm x 115 mm (somente TV)	
Peso			23,0 kg (com pedestal) 20,0 kg (somente TV)	

• Projeto e Especificações estão sujeitas a alterações sem prévio aviso. O peso e as dimensões são aproximadas.

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ATENÇÃO !

Este aparelho utiliza componentes especiais que consideramos importantes para a segurança de seu funcionamento. Estes componentes são identificados com a marca "⚠" nos diagramas esquemáticos, diagramas em blocos e nas vistas explodidas. Sempre que for necessário substituir qualquer destes componentes, utilize somente aqueles especificados nas listas de peças.
Nunca modifique a especificação de qualquer componente sem a orientação da Panasonic do Brasil.

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1. PRECAUÇÕES DE SEGURANÇA

1.1. LINHAS GERAIS

1. Ao executar os serviços, observe a posição original dos terminais. Se for encontrado um curto-circuito, substitua todas as partes que superaqueceram ou que foram danificadas pelo curto-circuito.
2. Após a conclusão dos serviços, verifique se todos os dispositivos protetores a exemplo das barreiras de isolação, blindagens de papéis de isolação estão corretamente instalados.
3. Depois dos consertos, faça a seguinte checagem de corrente de fuga para evitar que o cliente seja exposto a choques elétricos.

1.2. CHECAGEM DA CORRENTE DE FUGA

1. Conecte o cabo de força diretamente na tomada CA. Não utilize transformador de isolamento para esta checagem.
2. Monte o circuito mostrado na figura 1 e conecte um dos terminais do circuito em um bom aterramento e o outro terminal do circuito meça cada parte metálica exposta do aparelho.
3. Utilize um voltímetro (Simpson 228 ou equivalente) para medir o potencial nos pontos indicados no circuito da figura 1.
4. Verifique cada parte metálica exposta, e meça a voltagem em cada ponto.
5. Inverta o cabo de força na tomada CA e repita cada uma das medições acima.
6. O potencial nos pontos U_1 e U_2 não devem exceder os seguintes valores:
   Escala CA: U_1 = 35V (pico) e U_2= 0,35V (pico)
   Escala CC: U_1 = 1,0V
7. Para os caso em que as medições estiverem fora dos limites especificados, há possibilidade de choque elétrico, devendo o equipamento ser consertado e re-analisado antes de ser devolvido para o consumidor.

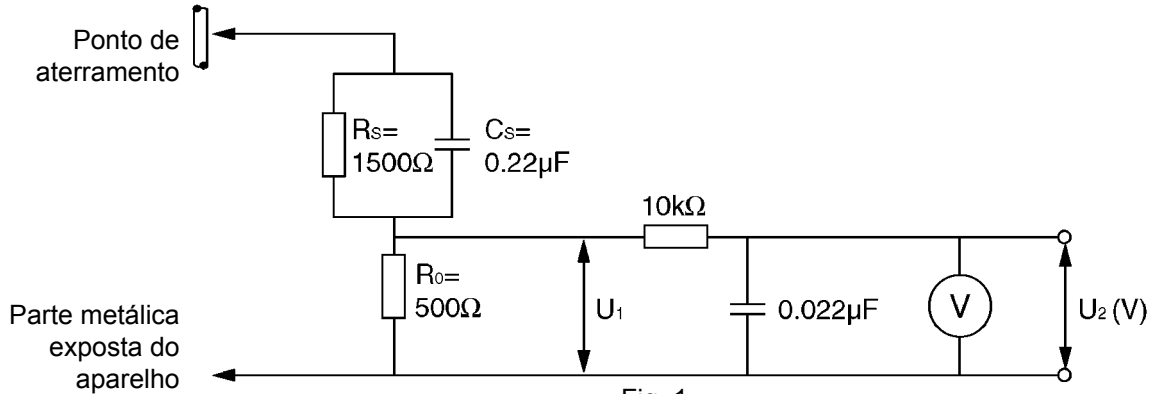


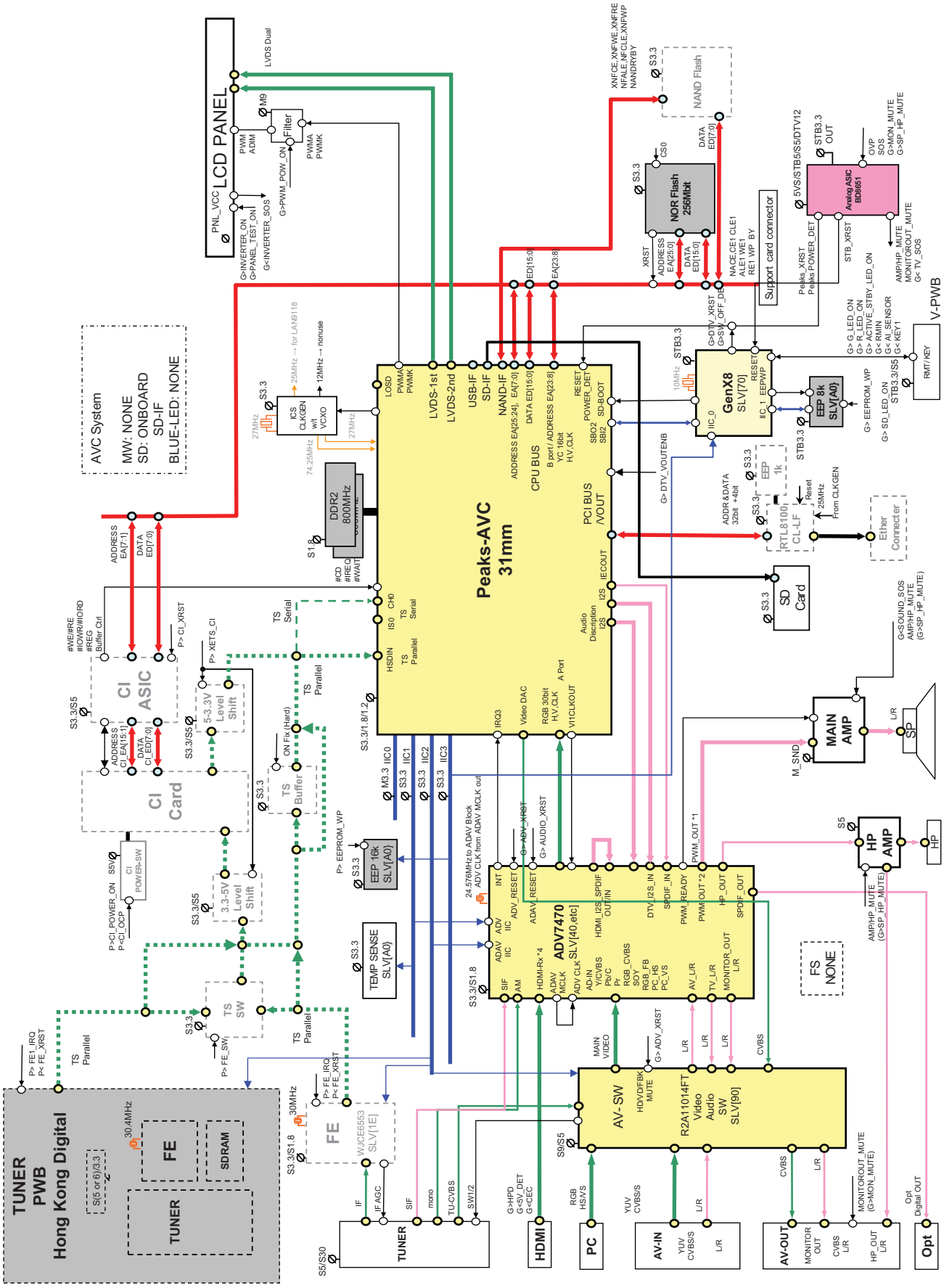
Fig. 1

Valores das resistências em homs (Ω)
V: Multímetro ou Osciloscópio (rms)

Resistência de entrada:	≥ 1M Ω
Capacitância de entrada:	≤ 200 pF
Limite de freqüência:	15 Hz até 1 MHz respectivamente

Nota:
As medições devem ser efetuadas apropriadamente para obter os valores corretos em caso de não haver formas de onda senoidal.

1.3. DIAGRAMA EM BLOCOS DO CHASSI KM03



2. PRECAUÇÕES

2.1. PREVENÇÃO DE DESCARGA ELETROSTÁTICA (ESD)

Muitos dispositivos semicondutores (estado sólido) podem ser danificados facilmente pela eletricidade estática. Esses dispositivos comumente são chamados de dispositivos Eletrostaticamente Sensíveis (ES). Exemplos de dispositivos ES típicos são os circuitos integrados e alguns transistores de efeito de campo e componentes semicondutores. As técnicas seguintes devem ser utilizadas para ajudar a reduzir a incidência de danos a componentes causados pela descarga eletrostática (ESD).

1. Imediatamente antes de manusear qualquer componente semicondutor ou conjunto equipado com semicondutor, drene toda a ESD de seu corpo tocando em um conhecido aterramento. Alternativamente, obtenha e utilize uma pulseira anti-estática comercialmente disponível, que deve ser removida devido a choques potenciais, antes de aplicar alimentação à unidade sob teste.
2. Depois de remover um conjunto elétrico equipado com dispositivos ES, coloque o conjunto em uma superfície condutora, por exemplo, uma folha de alumínio, para prevenir a formação de carga eletrostática ou exposição do conjunto.
3. Utilize somente ferro de solda com ponta aterrada para soldar ou para dessoldar os dispositivos ES.
4. Utilize somente dispositivo de remoção de solda anti-estático. Muitos dispositivos de remoção de solda não classificados como “anti-estático (ESD protegido)” podem gerar carga elétrica suficiente para danificar os dispositivos ES.
5. Não utilize substâncias químicas como gás freon que podem gerar cargas elétricas e danificar os dispositivos ES.
6. Não remova um dispositivo ES substituto de sua embalagem protetora até imediatamente antes de você estar pronto para instalá-lo. (A maioria dos dispositivos ES substitutos são embalados com terminais eletricamente curto-circuitados através de espuma condutora, folha de alumínio ou material condutivo semelhante).
7. Imediatamente antes de remover o material protetor dos terminais de um dispositivo ES substituto, toque o material protetor no chassi ou conjunto de circuito no qual o dispositivo será instalado.
8. Minimize os movimentos corporais ao manusear dispositivos ES substitutos não embalados. (Caso contrário, um movimento inofensivo como esfregar consecutivamente o tecido de suas roupas ou o levantamento de seu pé de um chão carpetado pode gerar eletricidade estática (ESD) suficiente para danificar um dispositivo ES).

INFORMAÇÃO IMPORTANTE DE SEGURANÇA

Há componentes especiais utilizados neste equipamento que são importantes para a segurança. Estas partes são identificadas com o símbolo “⚠” nos diagramas esquemáticos, vistas explodidas, lista de peças e partes substitutas. É essencial que estas partes críticas sejam substituídas pelas partes especificadas pelo fabricante para prevenir choques, incêndio ou outros perigos. Não modifique o projeto original sem permissão do fabricante.

3. SOBRE SOLDA SEM CHUMBO: (PBF)

Nota:

O chumbo é designado como (Pb) na Tabela Periódica de Elementos Químicos.

Na informação abaixo, Pb representará solda com chumbo, e PbF representará solda sem chumbo.

A solda sem chumbo usada em nosso processo de fabricação e apresentada abaixo é (Sn + Ag + Cu), que é estanho (Sn), prata (Ag) e cobre (Cu) embora outros tipos estejam disponíveis.

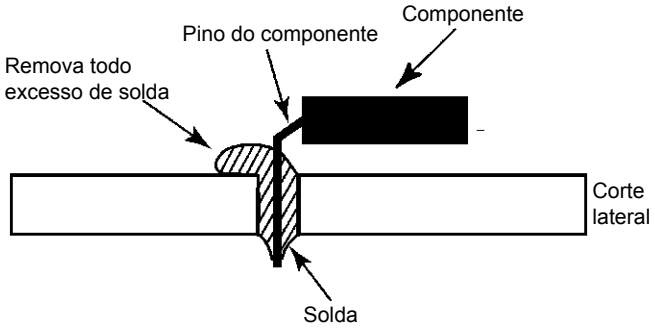
Este modelo usa solda sem chumbo em sua fabricação devido a questões de conservação do meio ambiente.

Para um melhor trabalho de reparo, recomendamos o uso de solda sem chumbo, embora solda com chumbo possa ser utilizada.

As placas de circuito fabricadas usando solda sem chumbo terão estampado na parte traseira o símbolo de uma folha com "PbF" escrito dentro da mesma.

IMPORTANTE:

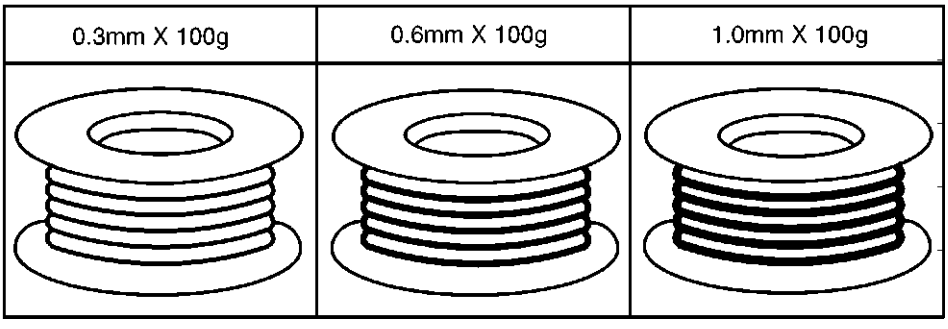
- A solda sem chumbo tem um ponto de fusão maior que a solda convencional. Tipicamente o ponto de fusão é 30 a 40 °C maior. Utilize um ferro de solda com temperatura controlada e ajuste-o para 370º +/- 10 ºC. Em caso de utilizar um ferro de solda com alta temperatura, tenha o cuidado para não aquecê-lo por um longo período.
- A solda sem chumbo tende a espirrar quando super aquecida (em torno de 600 ºC). Se for utilizar solda com chumbo, remova completamente toda a solda sem chumbo dos pinos e da área soldada antes de aplicar a solda com chumbo. Se este procedimento não for seguido, tenha o cuidado de aquecer a solda sem chumbo até que ela derreta, antes da aplicação da nova solda com chumbo.
- Após a segunda aplicação de solda sem chumbo na placa, verifique se houve excesso de solda no lado do componente, que pode fluir para o lado oposto.



• Sugestão de Solda sem chumbo

Existem muitos tipos de solda sem chumbo disponíveis para a compra. Este produto usa solda com Sn + Ag + Cu (estanho, prata , cobre). Entretanto solda com Sn + Cu (estanho, cobre) ou Sn + Zn + Bi (Estanho, Zinco, Bismuto) também podem ser utilizadas.

Recomendamos as seguintes espessuras de solda para uso em nossos produtos: 0,3mm, 0,6mm e 1,0mm.



4. TABELA DE TEMPORIZAÇÃO DO LED DE POWER

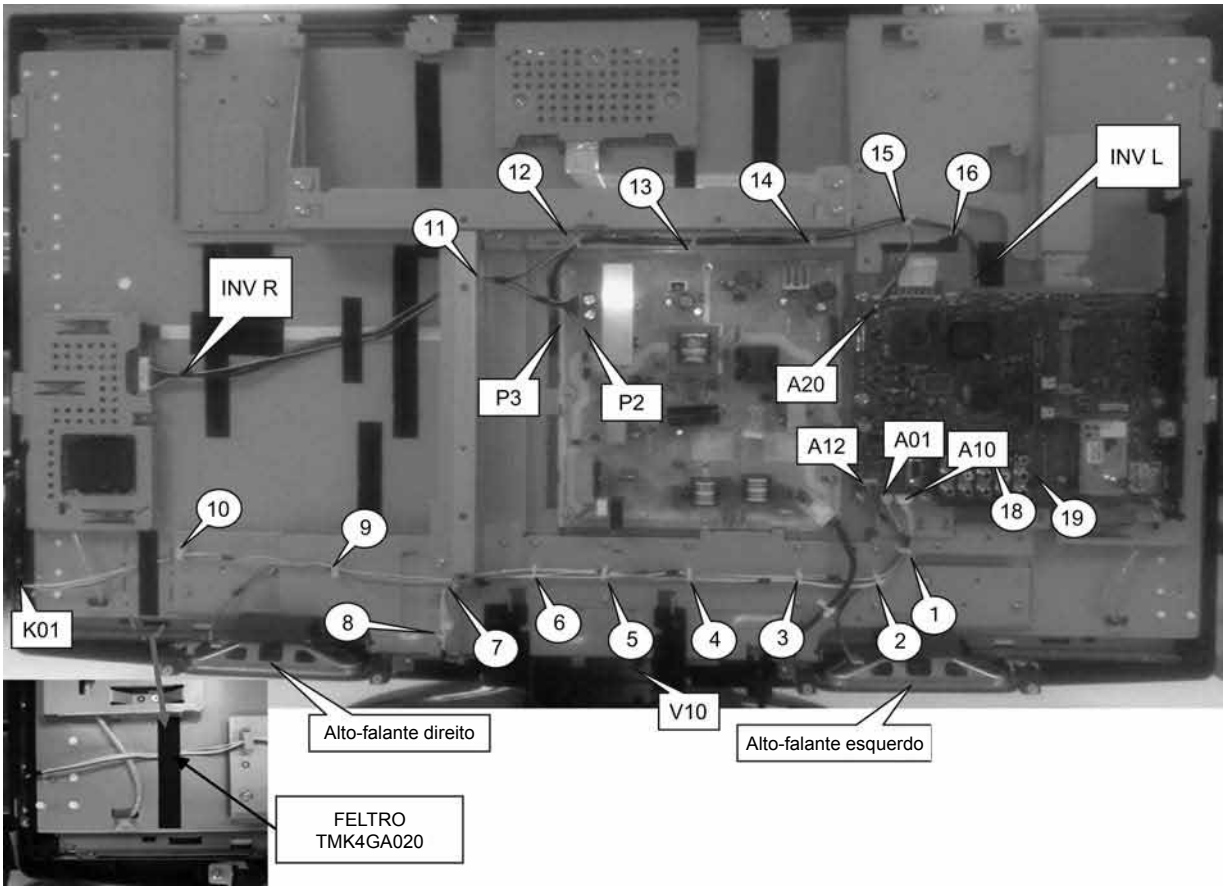
1. **Função:**
   Informação da temporização do Led.
2. **Conteúdo:**
   Quando ocorrer alguma anormalidade na unidade, o circuito de proteção irá resetar a unidade para o modo stand-by. Neste momento, o bloco defeituoso pode ser identificado pelo número de vezes que o Led Power piscar no painel frontal da unidade.

Número de vezes que o LED pisca	Diagnóstico	Verificar
1	Inverter_SOS	
3	SOS_3.3V proteção de sobre voltagem	
4	DTV_ 9V diminuído / curto circuito, detector de parada do conversor principal	
5	Main_ 9V diminuído	
6	Sub_ 5V diminuído	
7	Sub_ 3.3V diminuído	
8	MAIN_ 3.3V diminuído	
9	Sound_ SOS	
13	Emergencia SOS	
14	Áudio PWM SOS	

5. CHASSI

5.1. POSICIONAMENTO DA FIAÇÃO

1. Posicione a fiação (Nº 1 ~ Nº 7) como na ilustração abaixo.
2. Remova o pó ou qualquer resíduo dos terminais do LVDS e PB usando um soprador de ion.

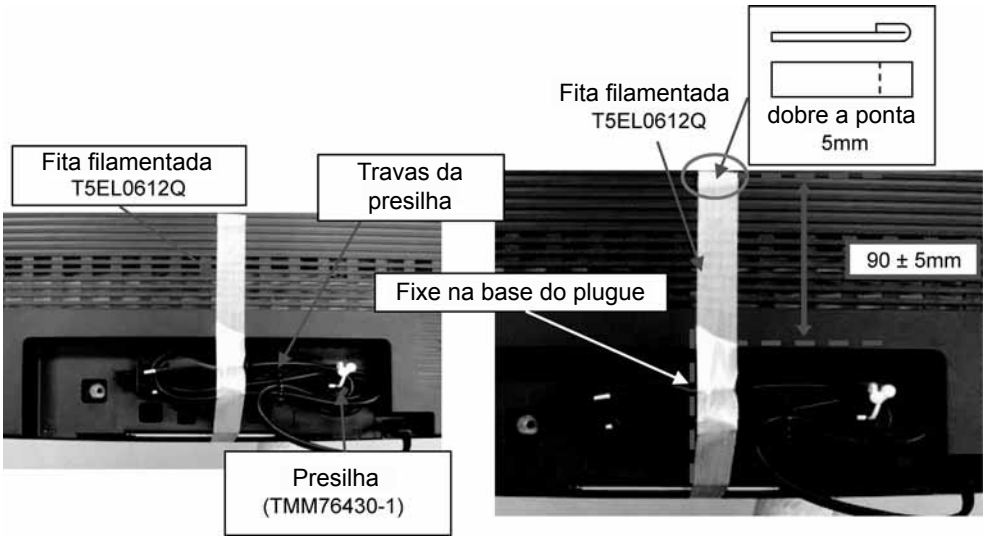


CABO / CHICOTE		PRESILHAS															
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
1	A10 ~ V10	●	●	●	●	●	●	●	●								
2	A01 ~ K01	●	●	●	●	●	●	●		●	●						
3	A12 ~ SP(R)	●	●	●	●	●	●	●		●							
4	A12 ~ SP(L)	●	●														
5	INV (L) ~ P3												●	●	●	●	●
6	INV (R) ~ P2											●					
7	INV (R) ~ A20											●	●	●	●	●	

6. INSTRUÇÕES PARA DESMONTAGEM E MONTAGEM

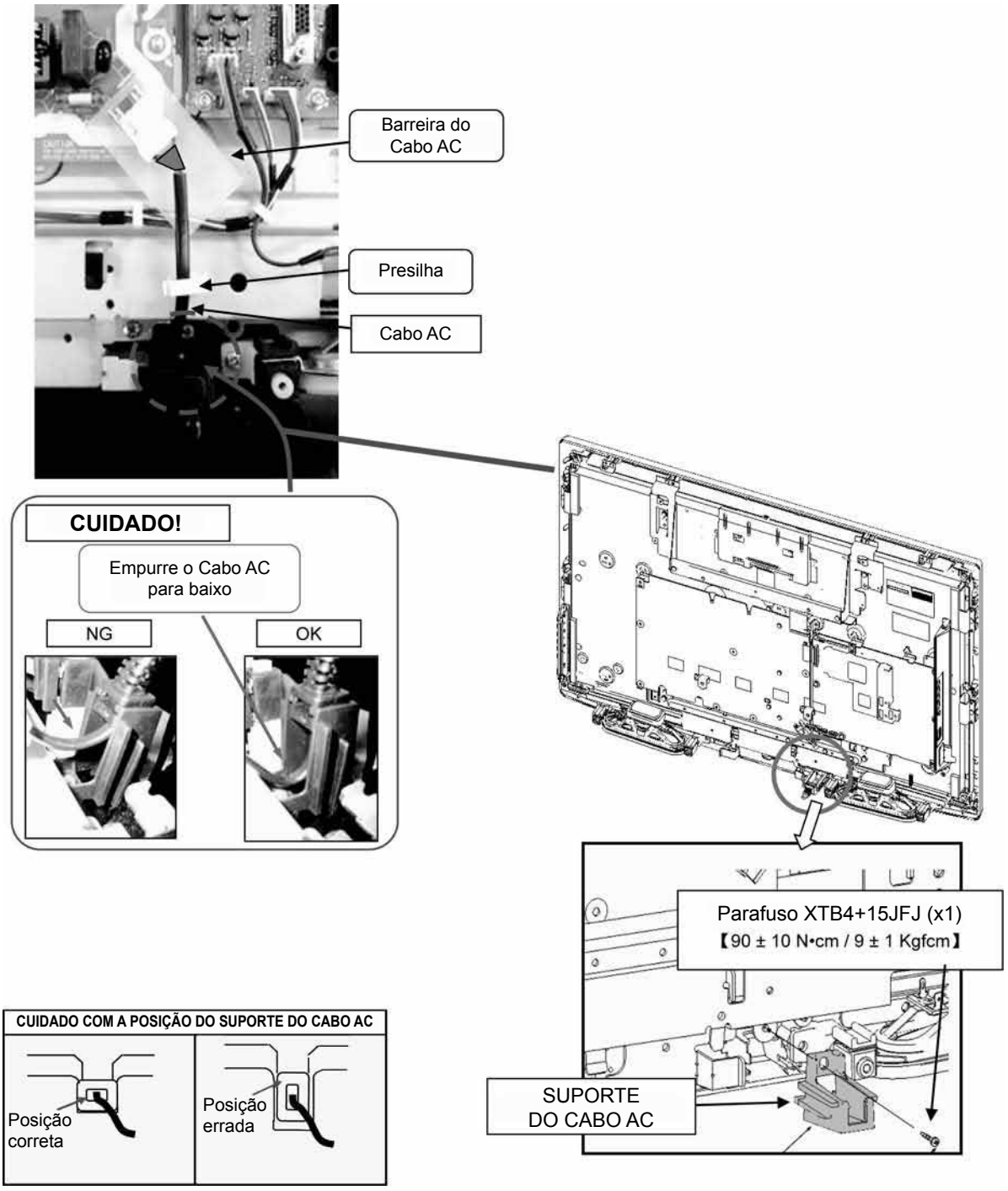
6.1. ACOMODAÇÃO DO CABO AC

1. Fixe o cabo com a presilha travada no furo da tampa traseira.



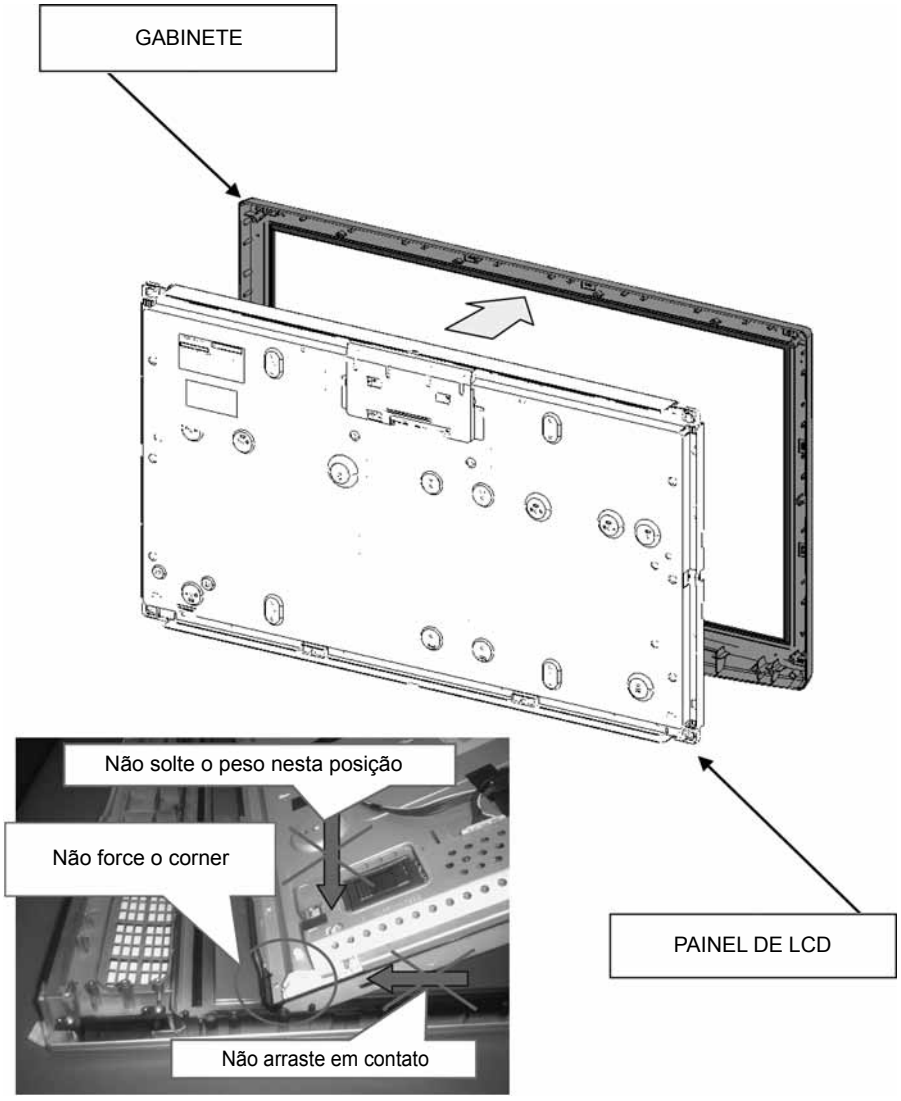
6.2. INSTALAÇÃO DO CABO AC

1. Coloque o suporte do cab AC no gabinete.
2. Fixe o parafuso do suporte do cabo AC.
3. Cole a barreira do cabo AC
4. Conecte o cabo AC no conector da Placa “P”.
5. Prenda o cabo AC na presilha.
6. Insira o cabo AC por dentro do suporte do cabo AC.



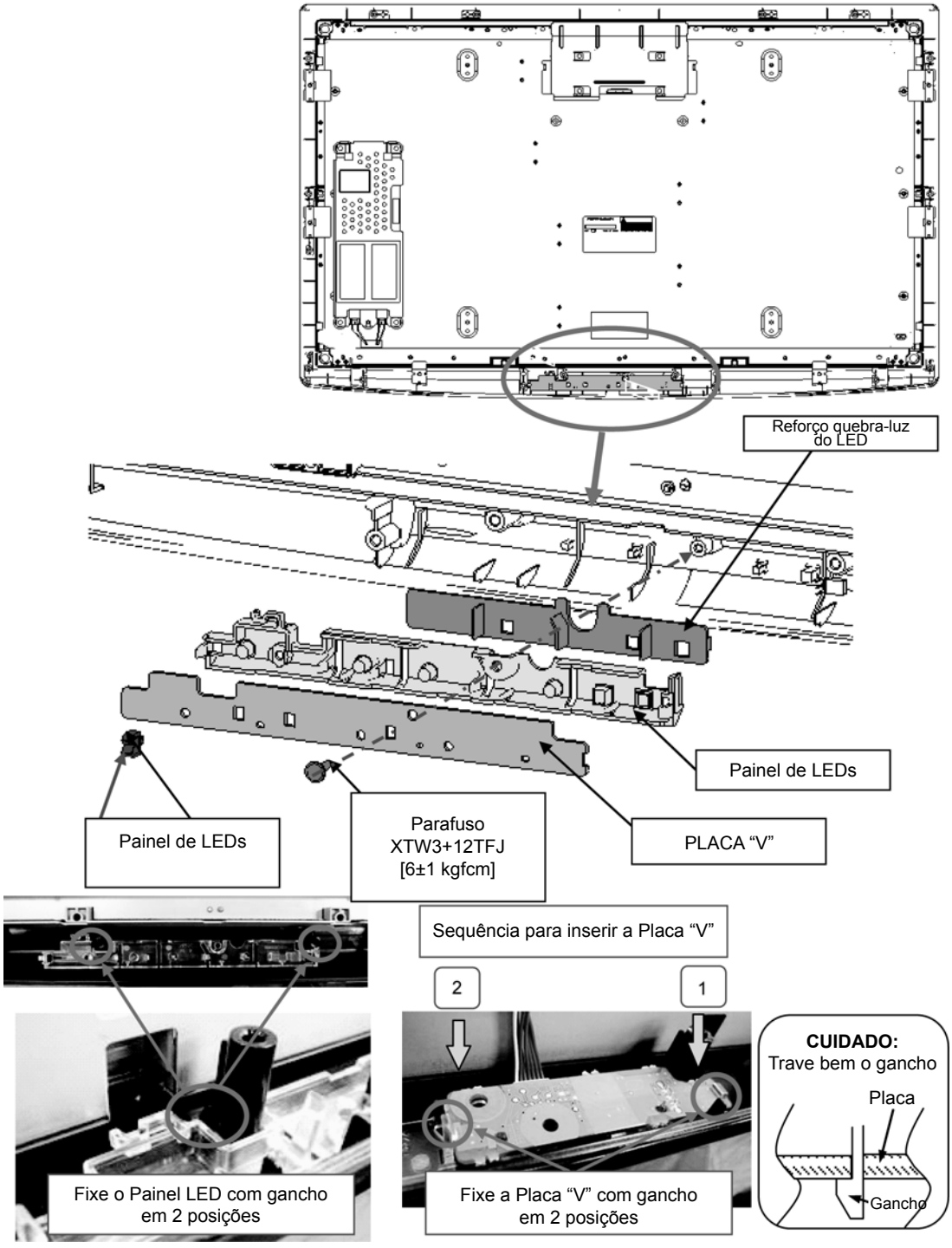
6.3. INSTALAÇÃO DO PAINEL DE LCD MONTADO

1. Posicione o Painel de LCD no gabinete.



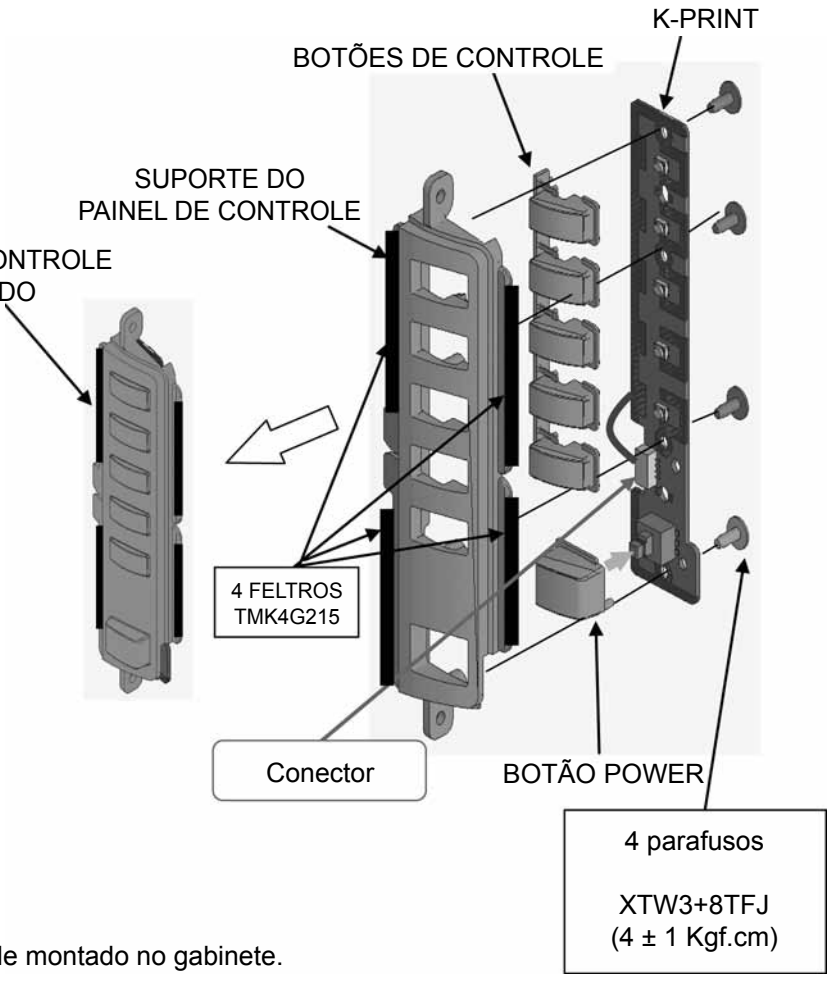
6.4. INSTALAÇÃO E AJUSTAMENTO DO PAINEL

1. Coloque o quebra-luz dos LEDs no gabinete.
2. Coloque o Painel de LEDs no gabinete.
3. Conecte os cabos (V10)
4. Coloque a Placa “V” no gabinete.
4. Fixe-os com o parafusos, como ilustrado abaixo.
5. Insira o prendedor.

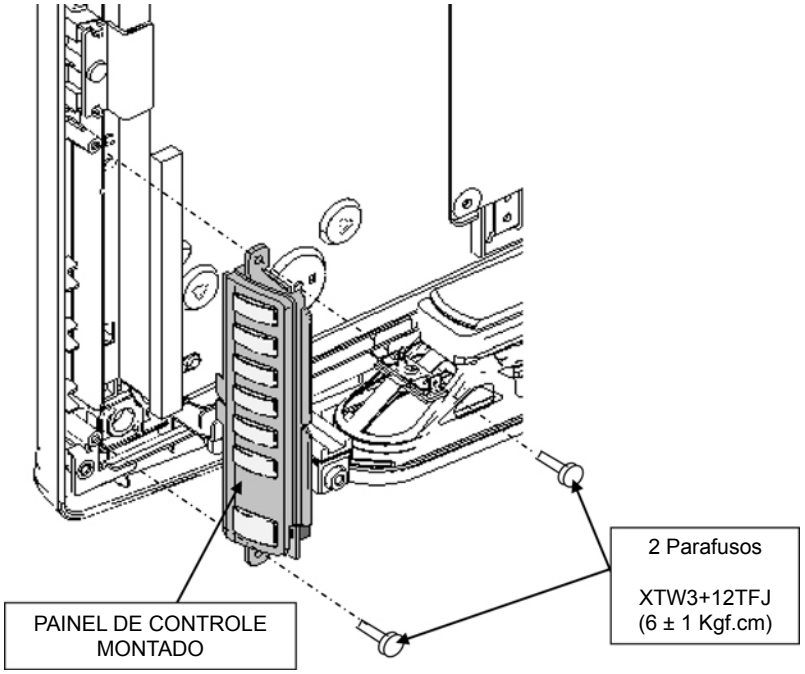


6.5. INSTALAÇÃO DO PAINEL DE CONTROLE

1. Conecte a fiação (K1).
2. Monte o Botão Power no K-PRINT.
3. Monte o K-PRINT, Botão de Controle e o Suporte do Painel.
4. Fixe todos com os parafusos, como na ilustração abaixo.
5. Cole os feltros.

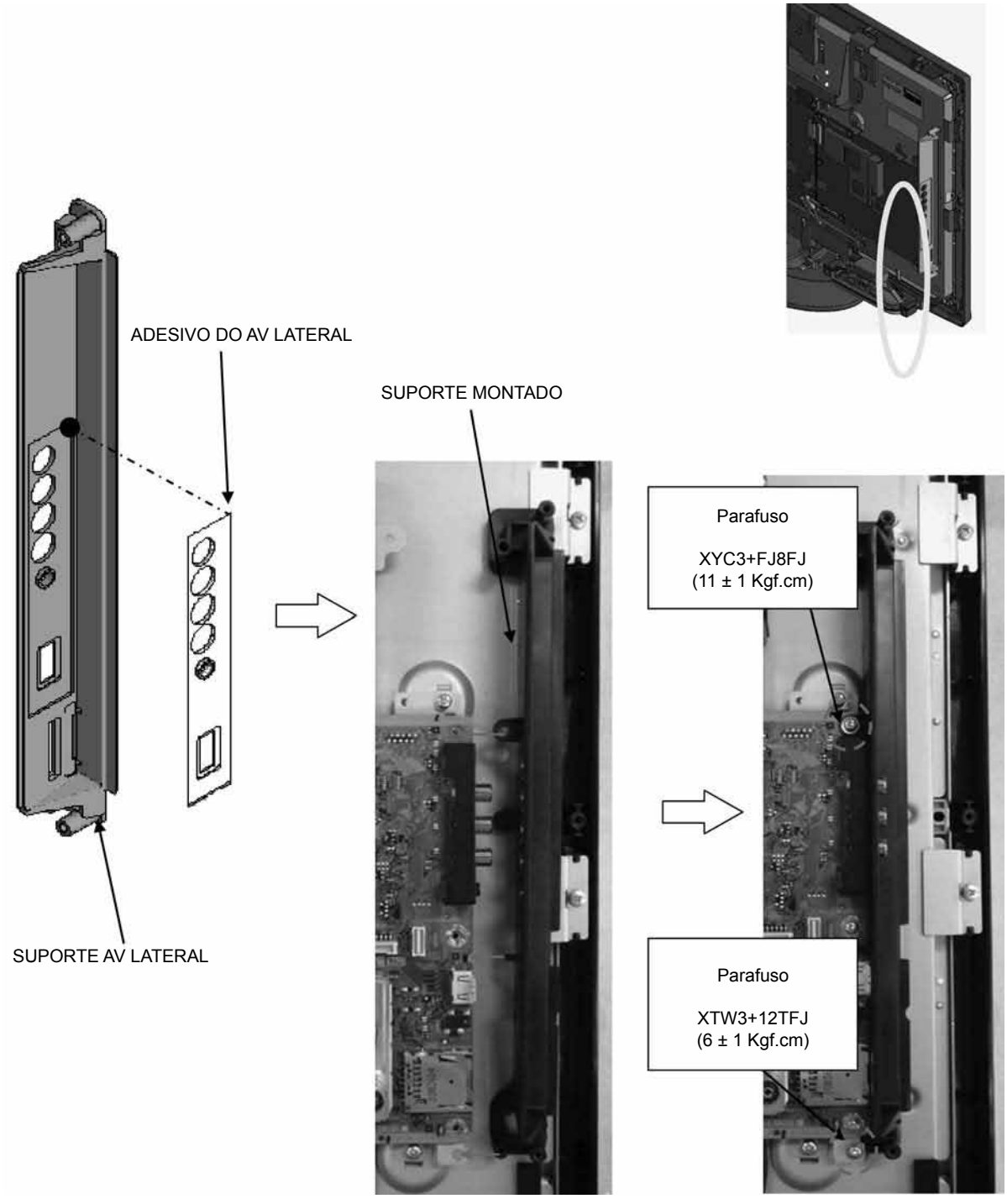


1. Posicione o Painel de Controle montado no gabinete.
2. Fixe com os parafusos como ilustrado abaixo.



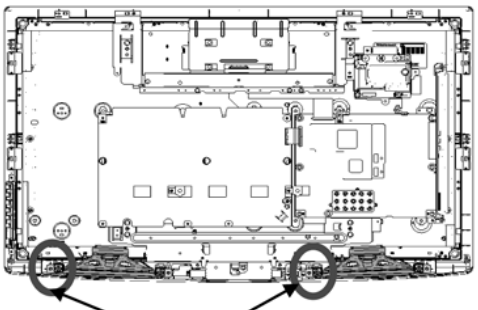
6.6. MONTAGEM E INSTALAÇÃO DO AV LATERAL

1. Cole o adesivo AV no Suporte AV Lateral.
2. Insira o Suporte AV Lateral a partir da posição lateral da Placa “A”.
3. Fixe o parafuso como ilustrado abaixo.

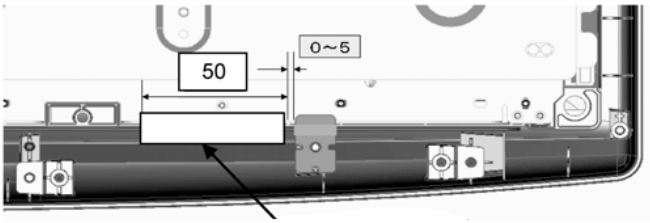


6.7. INSTALAÇÃO DOS ALTO-FALANTES

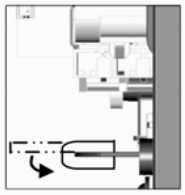
1. Cole a esponja como na ilustração abaixo.
2. Encaixe o suporte do alto-falante no gabinete.
3. Insira a bucha de borracha no alto-falante.
4. Insira o alto-falante no suporte do alto-falante.
5. Fixe com os parafusos como ilustrado abaixo.



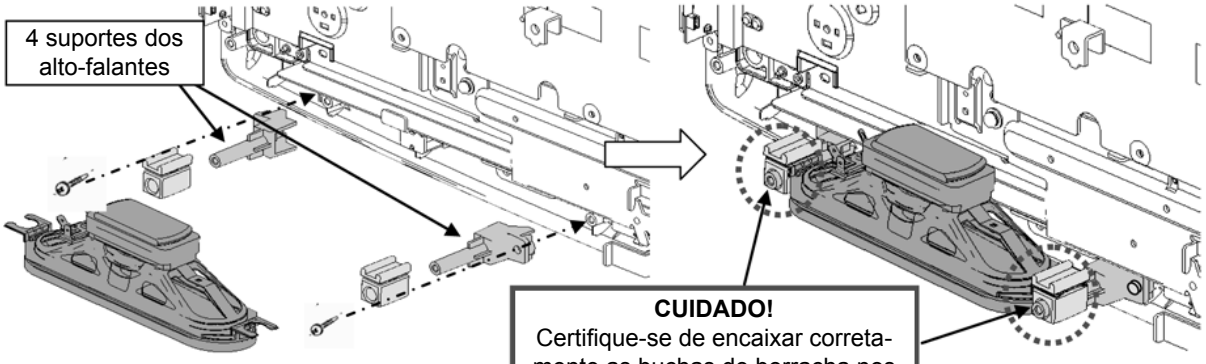
Posição dos terminais



2 Esponjas TMK4GG002

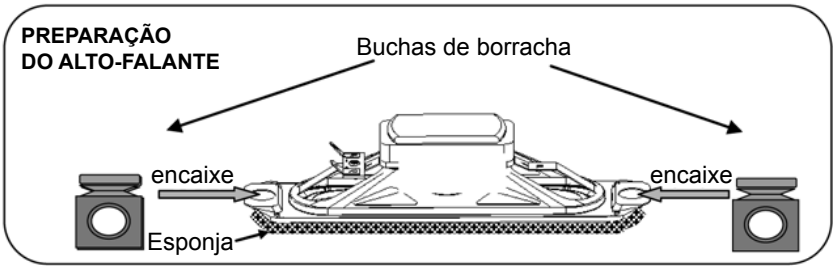


Vista lateral



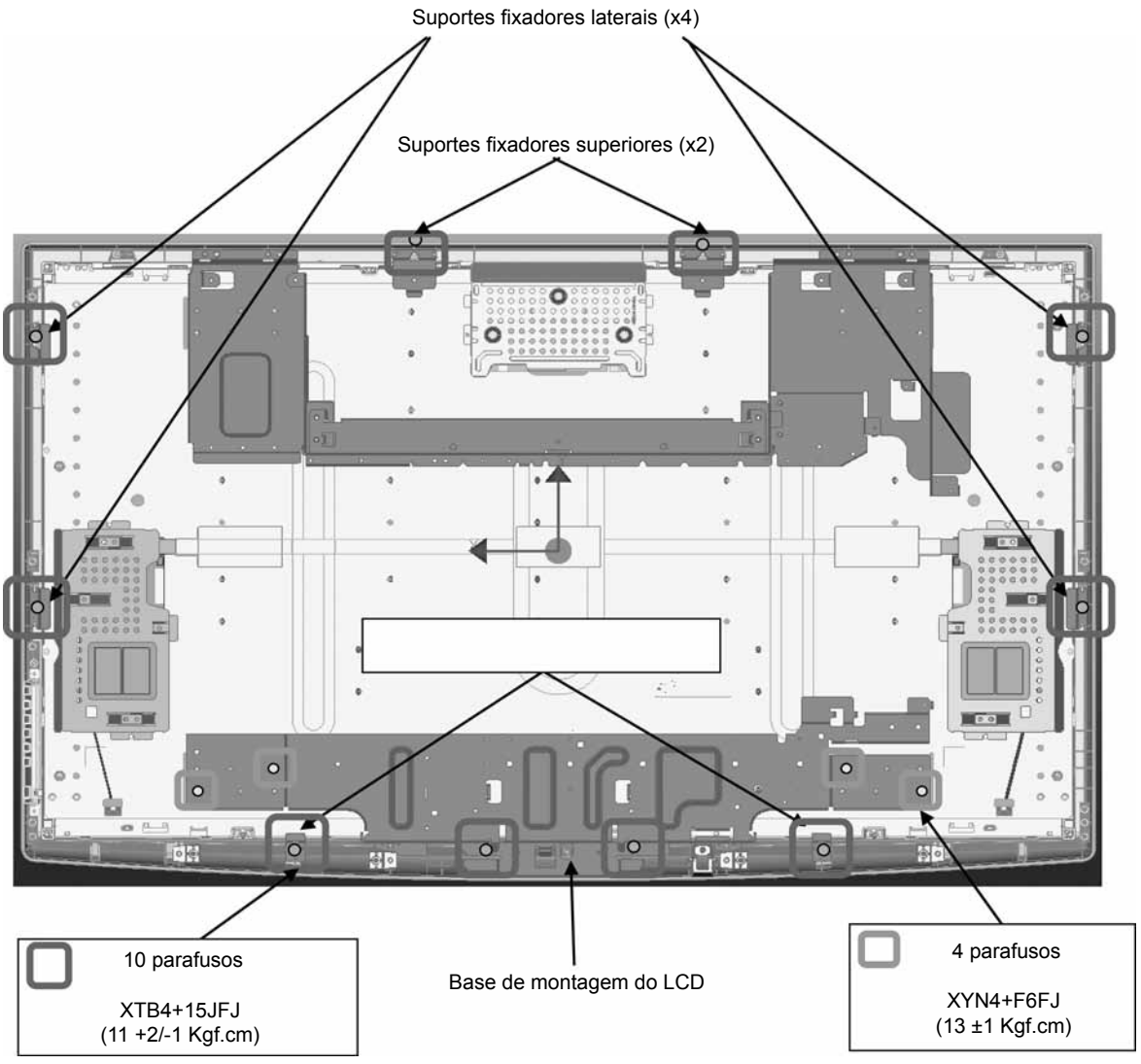
CUIDADO!
Certifique-se de encaixar corretamente as buchas de borracha nos dois lados do suporte do alto-falante.

= 4 PARAFUSOS XTB4+15JFJ



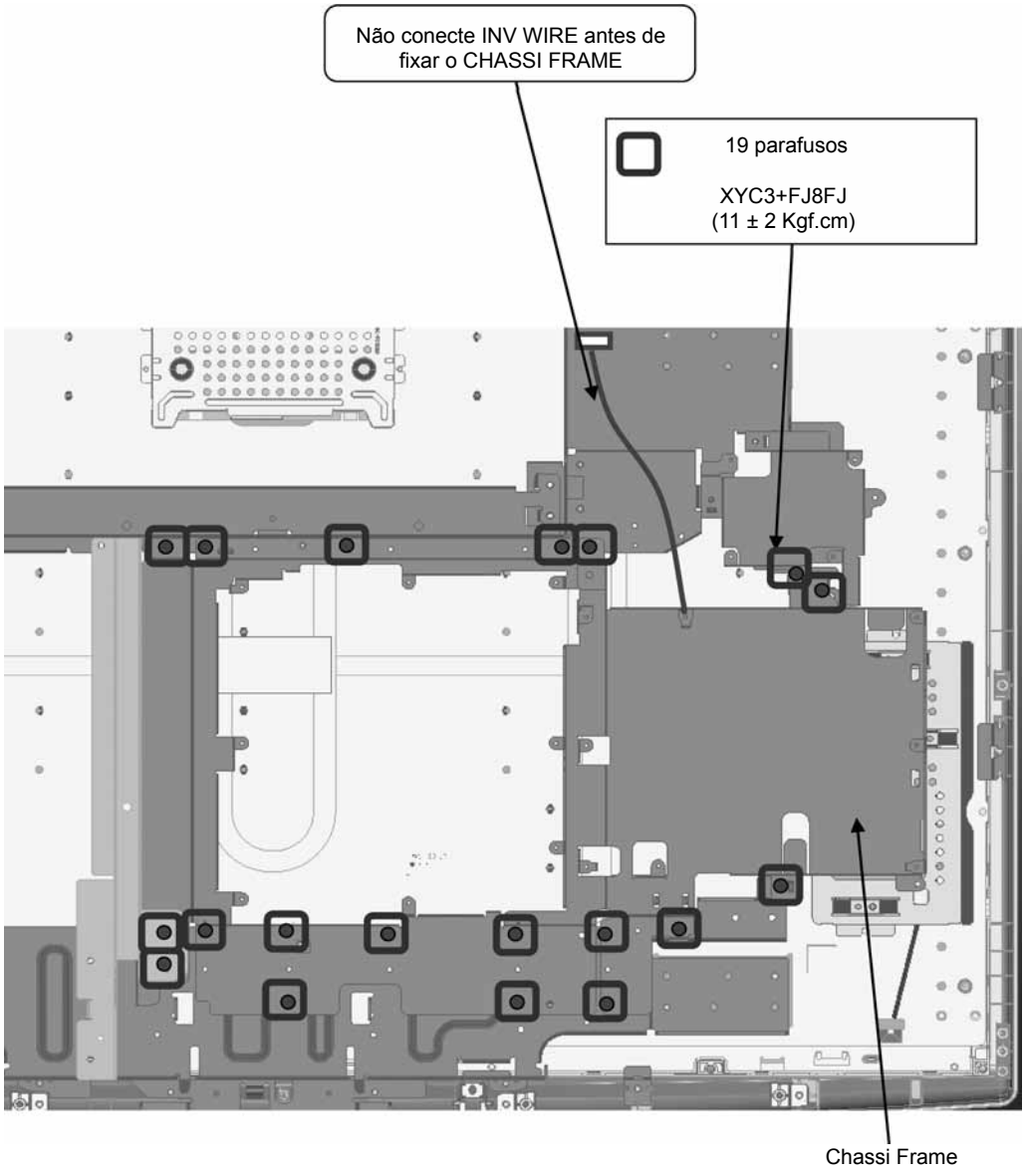
6.8. INSTALAÇÃO DOS SUPORTES LATERAIS E BASE DE MONTAGEM LCD

1. Posicione os Suportes fixadores do LCD no gabinete.
2. Posicione a base de montagem do LCD no gabinete.
3. Fixe todos com parafusos conforme ilustrado abaixo.



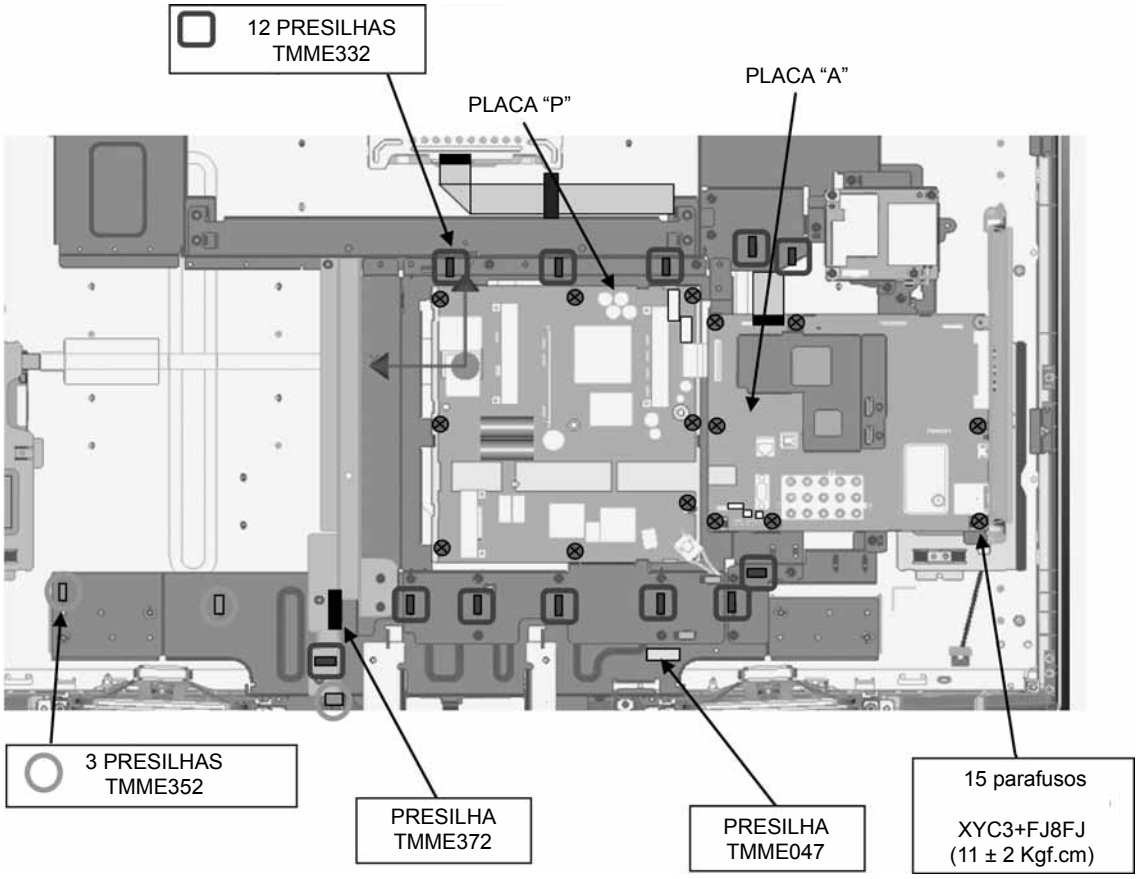
6.9. FIXAÇÃO DO CHASSI FRAME

1. Posicione o Chassi Frame no Painel de LCD.
2. Fixe-os com os parafusos como ilustrado abaixo.



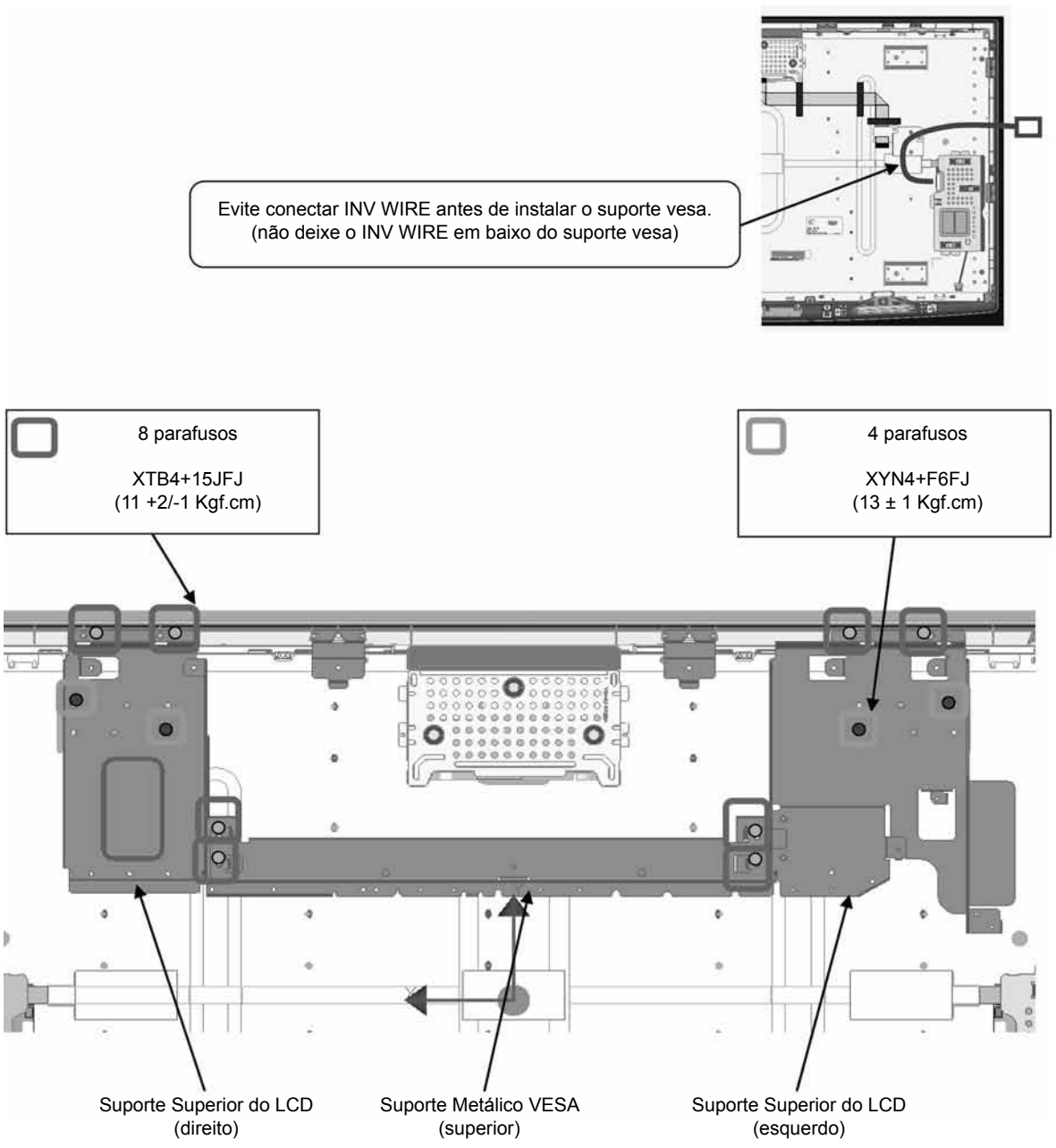
6.10. FIXAÇÃO DAS PLACAS, PARAFUSOS E PRESILHAS

1. Posicione a Placa “P” e a Placa “A” sobre o Chassi Frame.
2. Fixe-as com parafusos como ilustrado abaixo.
3. Insira as presilhas nos pontos indicados abaixo.



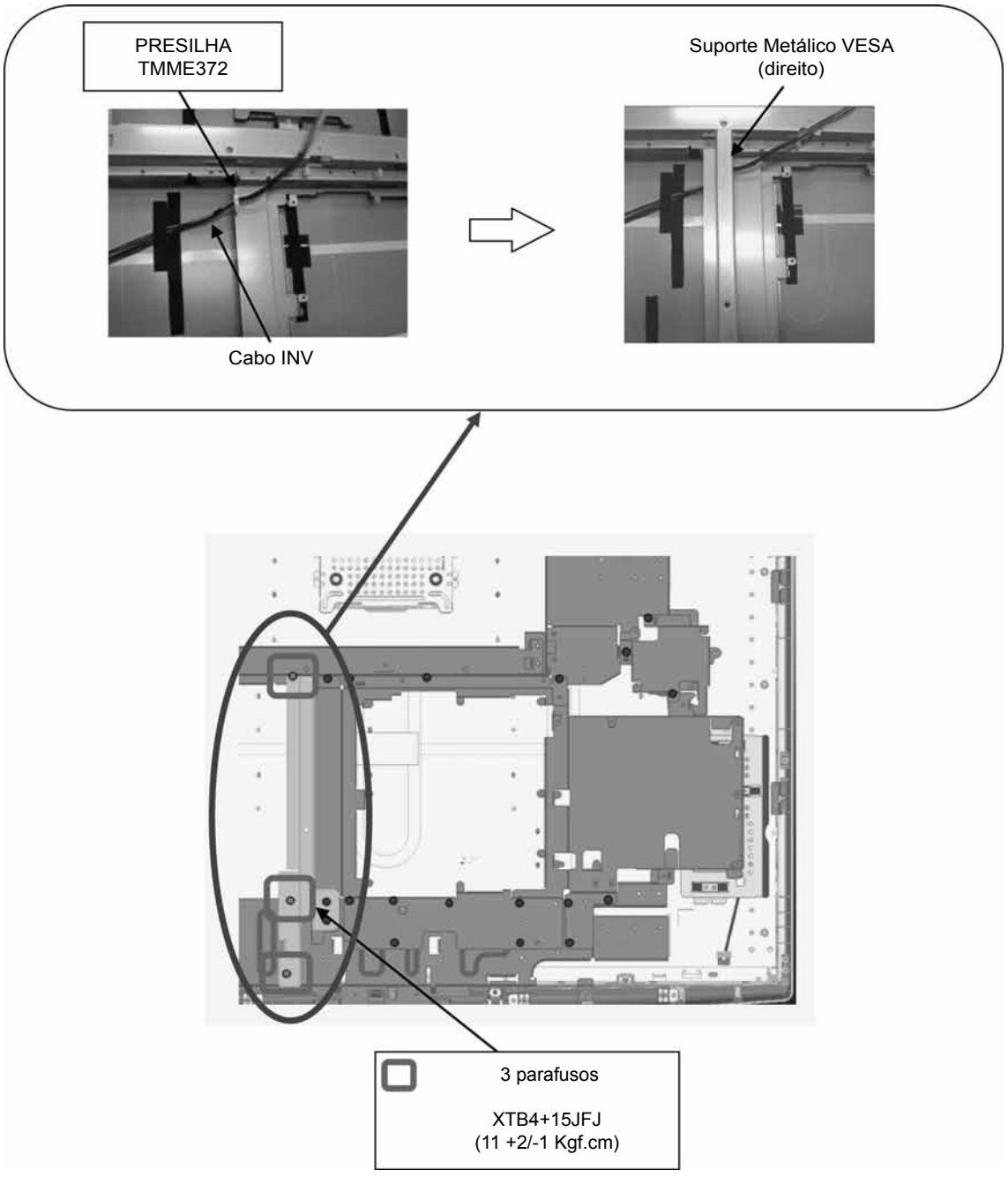
6.11. INSTALAÇÃO DO SUPORTE DE MONTAGEM VESA

1. Junte os Suportes Superiores do LCD (esquerdo e direito) e o Suporte Metálico Vesa Superior, fixando-os com os parafusos.
2. Posicione o Suporte Metálico Vesa montado no LCD.
3. Fixe o Suporte Metálico Vesa montado com os parafusos, conforme como na ilustração abaixo.



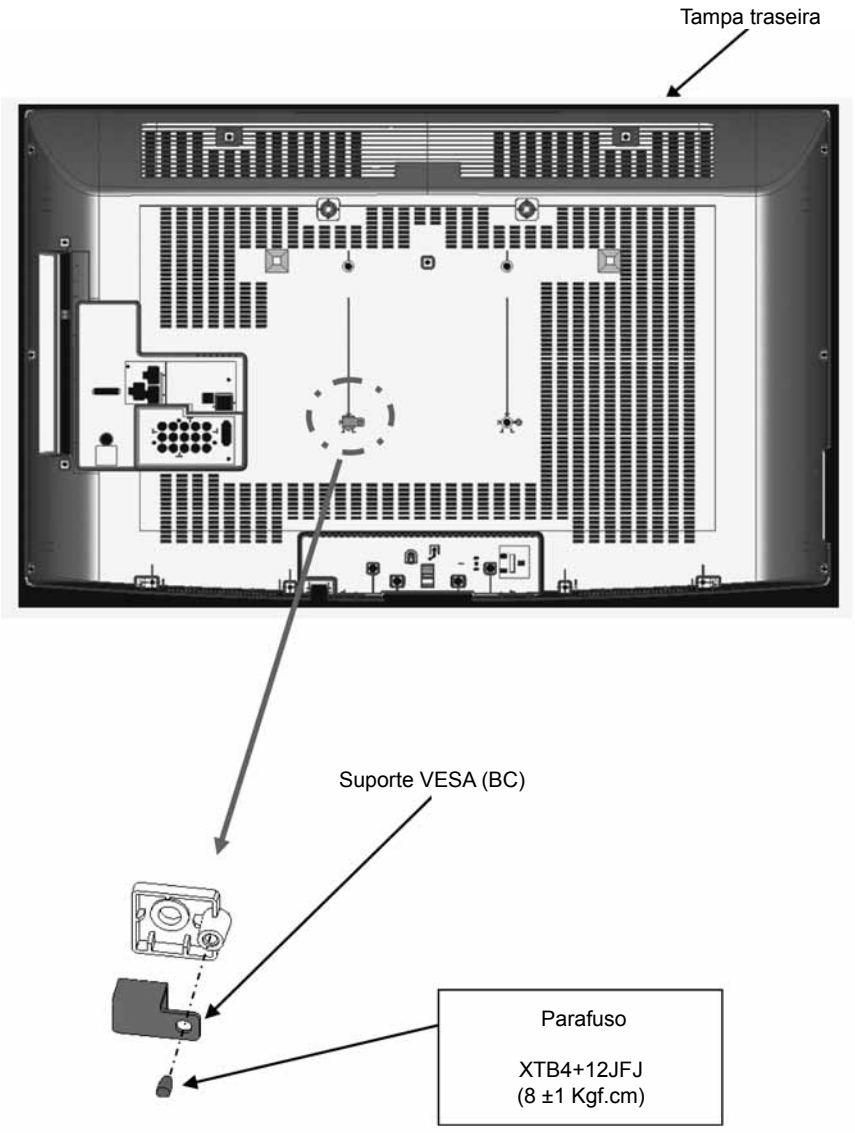
6.12. INSTALAÇÃO DO METAL VESA (DIREITO)

1. Insira a presilha.
2. Ajuste o cabo INV.
3. Posicione o Suporte Metálico VESA sobre o chassi.
4. Fixe-o com os parafusos como indicado na ilustração abaixo.



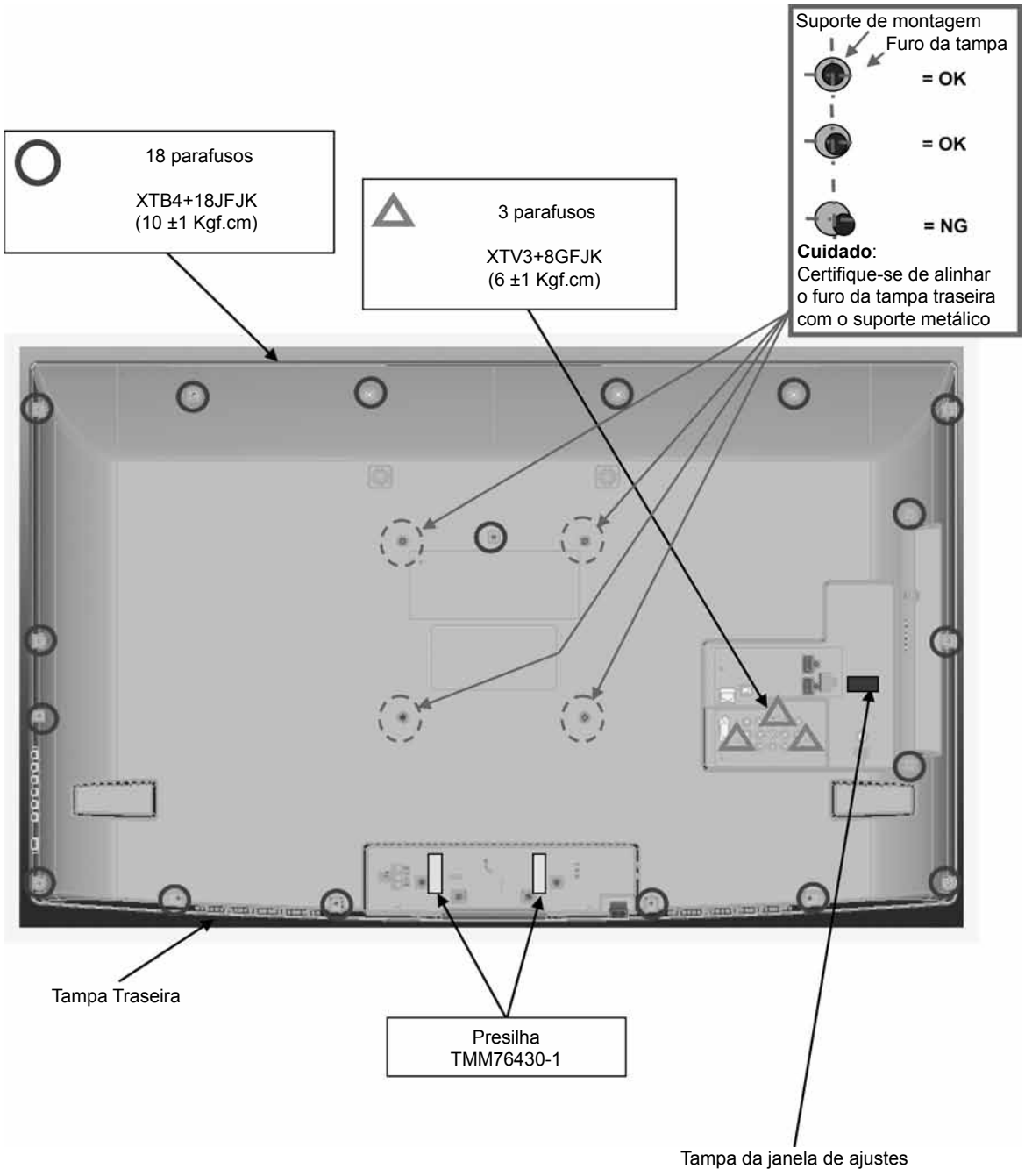
6.13. INSTALAÇÃO DO SUPORTE VESA NA TAMPA TRASEIRA

1. Posicione o Suporte Metálico VESA (BC) na tampa traseira.
2. Fixe com parafuso como ilustrado abaixo.



6.14. MONTAGEM DA TAMPA TRASEIRA

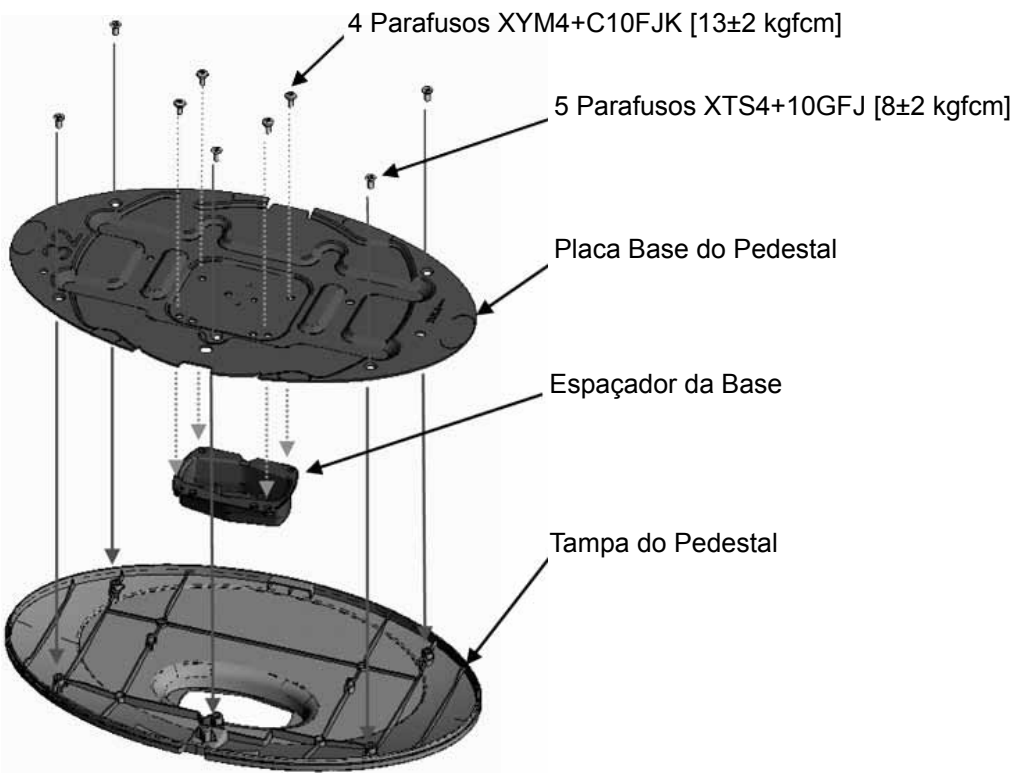
1. Fixe a tampa traseira com seus parafusos.
2. Insira a tampa da janela de ajustes.
3. Insira as presilhas.



6.15. PREPARAÇÃO PARA MONTAGEM DO PEDESTAL

Passo 1

1. Monte a Tampa do Pedestal, o Espaçador do Pedestal e a Placa Base com seus parafusos, como ilustrado abaixo:

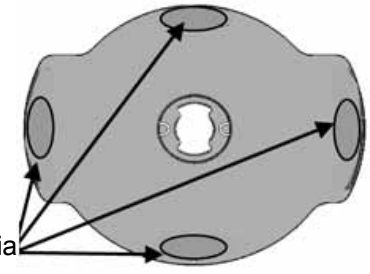


Passo 2

1. Cole os pés de borracha na Base Giratória.
2. Certifique de espalhar graxa por toda a superfície da Base Giratória. Siga a figura abaixo.

BASE GIRATÓRIA

VISTA INFERIOR

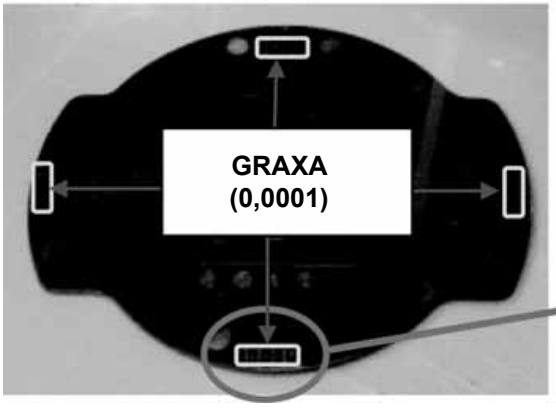


Cole os 4 pés de borracha na parte de baixo da base giratória do pedestal.

CUIDADO!
Certifique-se de posicionar o furo da Base de Rotação coincidindo com o furo Tampa da Base do Pedestal

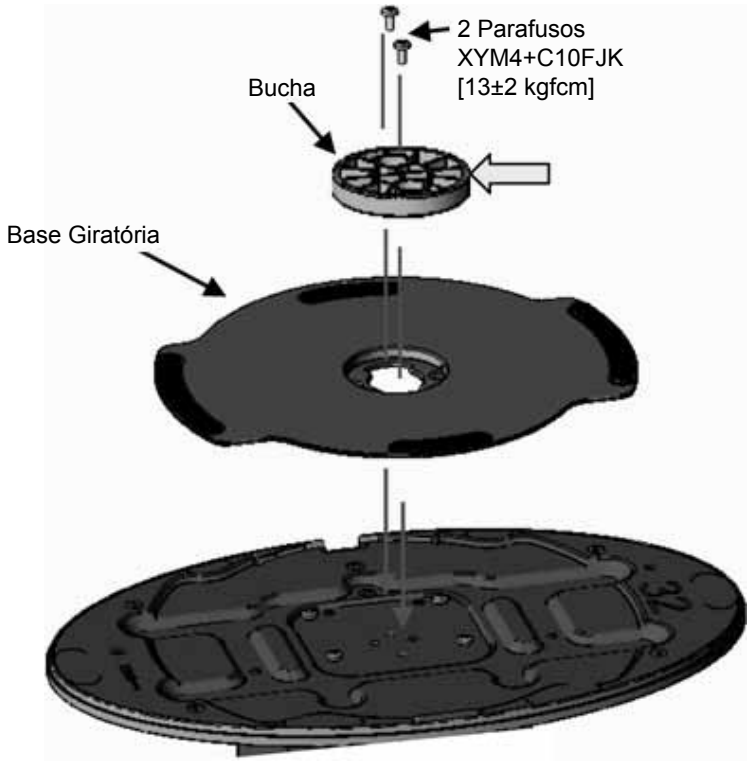
VISTA SUPERIOR

ATENÇÃO!
Toda a superfície deve conter uma camada de graxa.



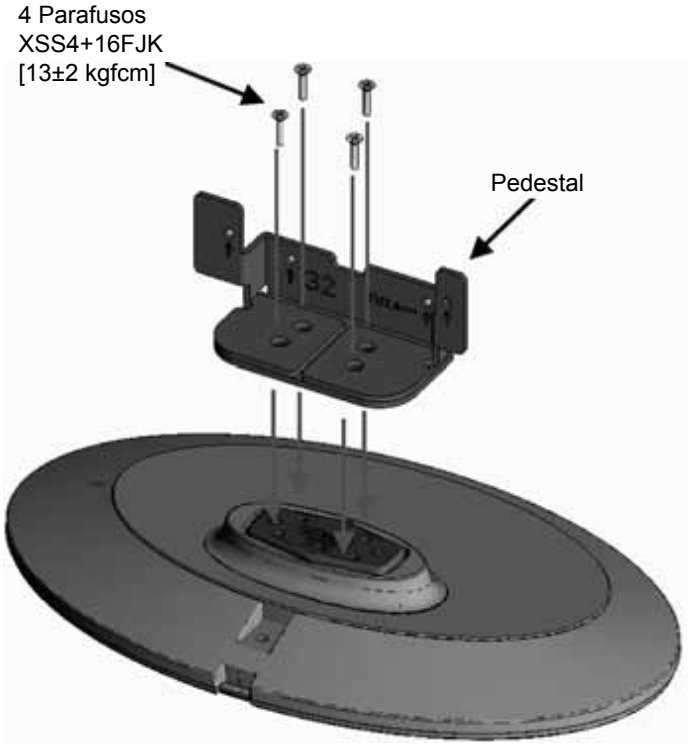
Passo 3

1. Monte a Placa de Rotação e a Bucha com parafusos, como ilustrado abaixo:



Passo 4

1. Monte o MTG Pedestal com parafusos, como ilustrado abaixo:



7. AJUSTES DO MODO DE SERVIÇO

1. Ajuste o timer para 30 minutos.
2. Ajuste o volume para o mínimo pelos botões no painel da TV. Pressione simultaneamente o botão **[RECALL]** no controle remoto e o botão **[VOLUME "–"]** no painel da TV.
   • Pressione os botões **[R]** (vermelho) e **[G]** para ajustar.

   Nota: O volume deve estar no mínimo.

7.1. MODO DE AUTO DIAGNÓSTICO

1. Pressione o botão **[MENU]** no controle remoto e o botão **[DOWN]** no painel da TV.
2. Para sair, pressione **[ON/OFF]** no painel da TV.

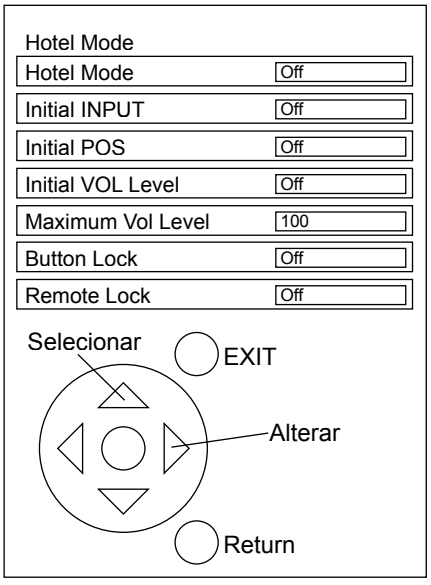
7.2. AJUSTES DO MODO HOTEL

1. Para entrar no Modo Hotel, mantenha pressionado o botão **[VOLUME "–"]** no painel da TV e simultaneamente pressione 3 vezes o botão **[AV]** no controle remoto

7.3. MODO HOTEL

1. Propósito:
   Restringir as funções em hoteis.
2. Para acessar as funções do Modo Hotel:
   Mantenha pressionado o botão **[VOLUME "–"]** no painel da TV enquanto pressiona o botão **[TV/AV]** 3 vezes dentro de 2 segundos no controle remoto.

   Aparecerá o menu abaixo:



3. Para sair do Modo Hotel desconecte o cabo AC da tomada ou desligue o aparelho pela tecla **[POWER]**.

Item	Função
MODE	Seleciona o Modo Hotel ON/OFF
Initial INPUT	Seleciona o sinal de entrada inicial Define a entrada de sinal quando a TV é ligada. Pode ser: OFF/Analogue TV/ Digital TV/AV1/AV2/AV3/ PC/HDMI1/HDMI2/HDMI3 • OFF: Prioriza a última entrada selecionada pelo usuário (memória) • Sinais selecionáveis dependem do modelo
Initial POS	Seleciona o número do programa. Pode ser: OFF / 0 a 99 • OFF: Seleciona o último programa selecionado pelo usuário
Initial VOL level	Ajusta o nível de volume inicial quando a TV é ligada Pode ser: OFF / 0 a 100 • OFF: Ajusta para o último nível de volume ajustado pelo usuário.
Maximum VOL level	Define o nível máximo do volume que poderá ser ajustado pelo usuário. Pode ser de 0 a 100
Button lock	Controle de teclas do painel frontal Pode ser: • OFF: todas funcionam • SETUP: Teclas de Funções não funcionam (não seleciona MENU) • MENU: Teclas de Funções não funcionam (apenas VOL e MUTE funcionam. • ALL: Todo o painel fica bloqueado
Remote lock	Controle de teclas do controle remoto. Pode ser: • OFF: todas funcionam • SETUP: Apenas o menu SETUP não funciona. • MENU: Os menus PICTURE/SOUND/SETUP não funcionam

8. MEDIÇÕES E AJUSTES

8.1. TABELA DE TENSÕES DA PLACA “A”

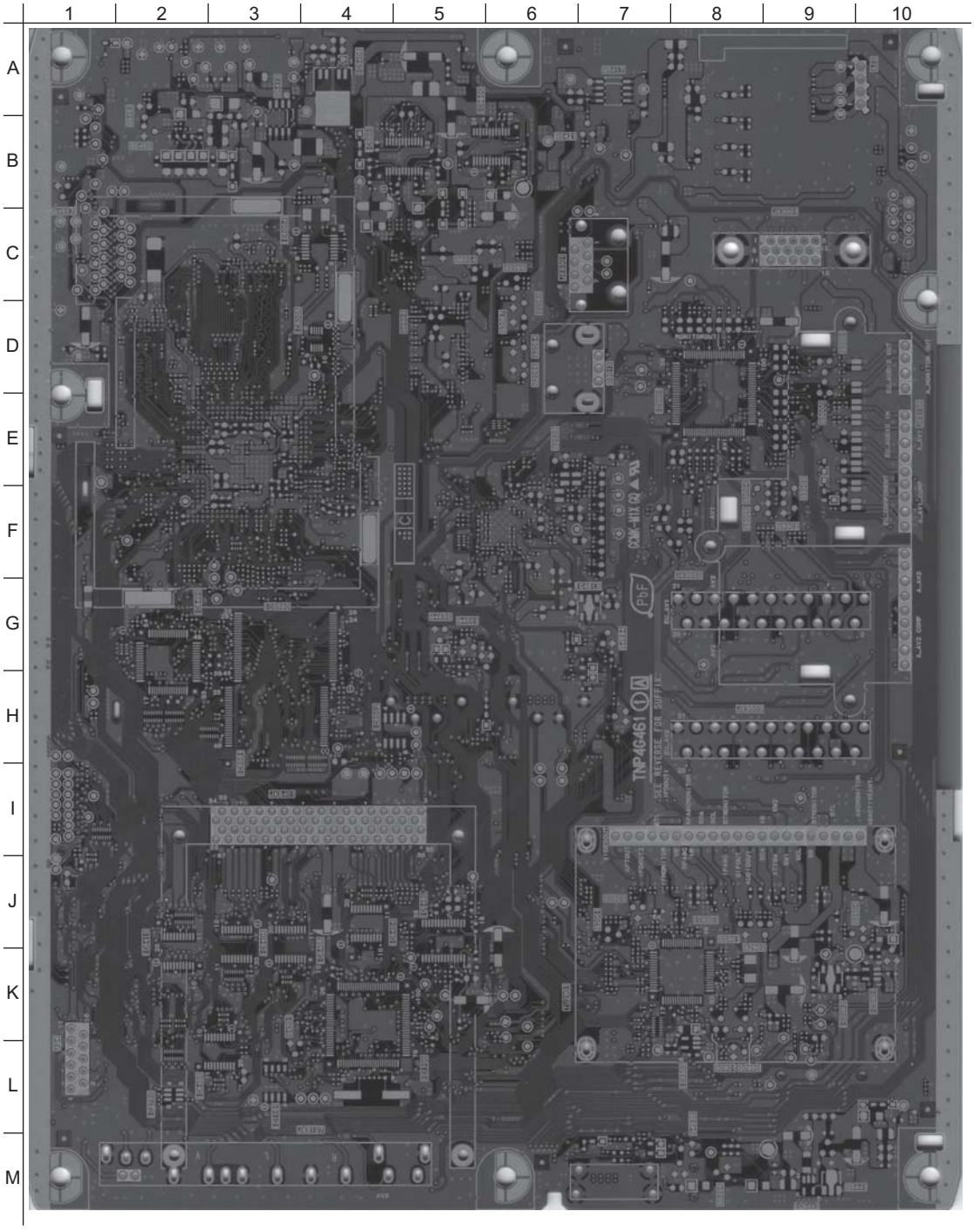
Nome da linha de tensão	Ponto de teste	Especificações
SUB1.2V	TP5602	1.22 - 1.32
SUB1.8V	TP5601	1.78 - 1.91
SUB3.3V	TP5600	3.21 - 3.45
SUB9V	TP5409	8.76 - 9.45
SUB5V	TP5405	4.82 - 5.18
BT30V	TP5482	29.3 - 31.5

8.2. TABELA DE TENSÕES DA PLACA “P”

Nome da linha de tensão	Ponto de teste	Condição Normal (V)	Condição Normal (V)
24V	TPP034	24.0 ± 1.2	-
12V	TPP033	12.0 ± 0.6 / -0.45	< 1.0
Audio Vcc	TPP028	16.4 ± 0.7	< 3.0
STBY_6V	TPP040	5.8 ± 0.3	5.8 ± 0.3

9. LAYOUTS DE PLACAS

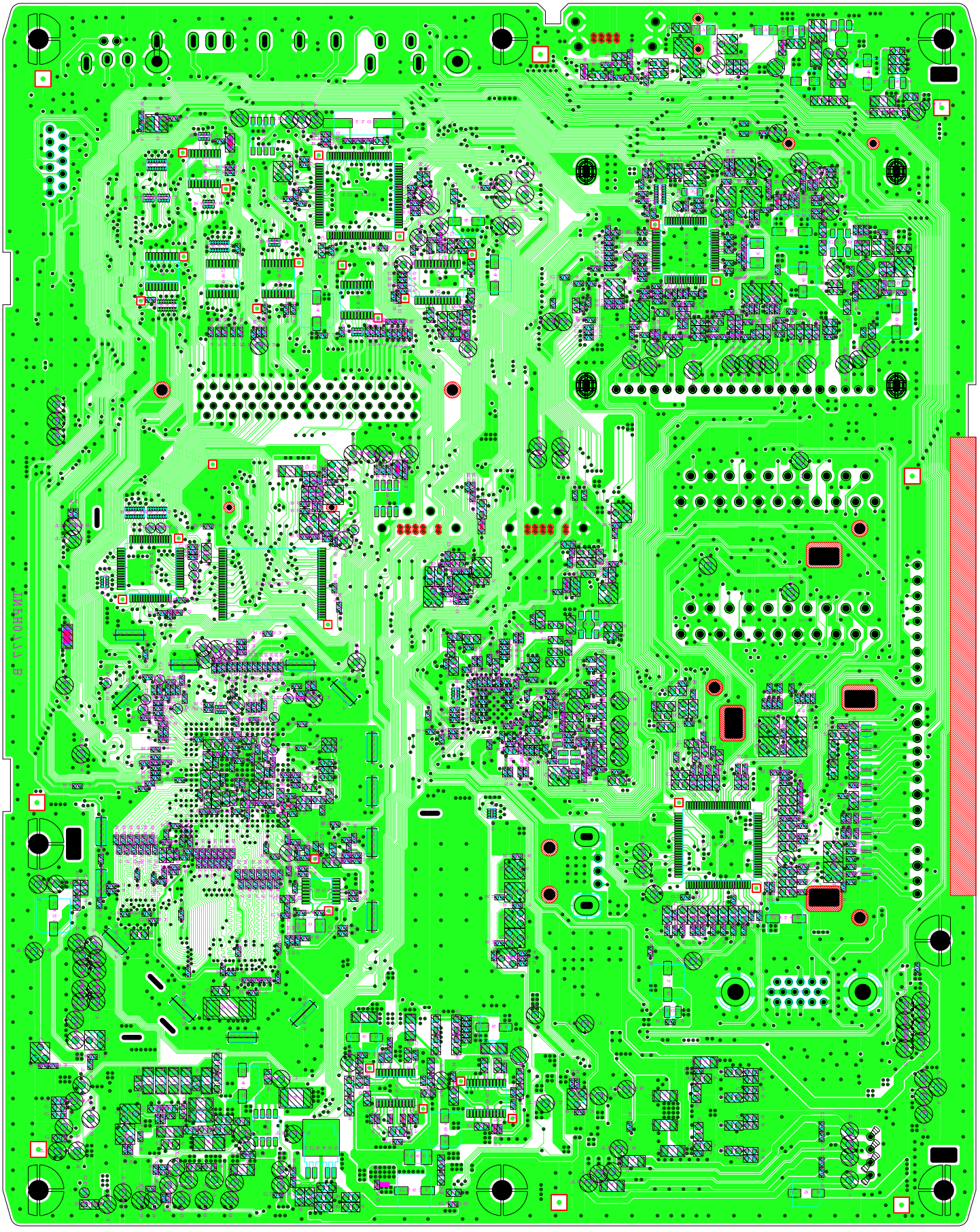
9.1. PLACA "A" - (Layout do lado A)



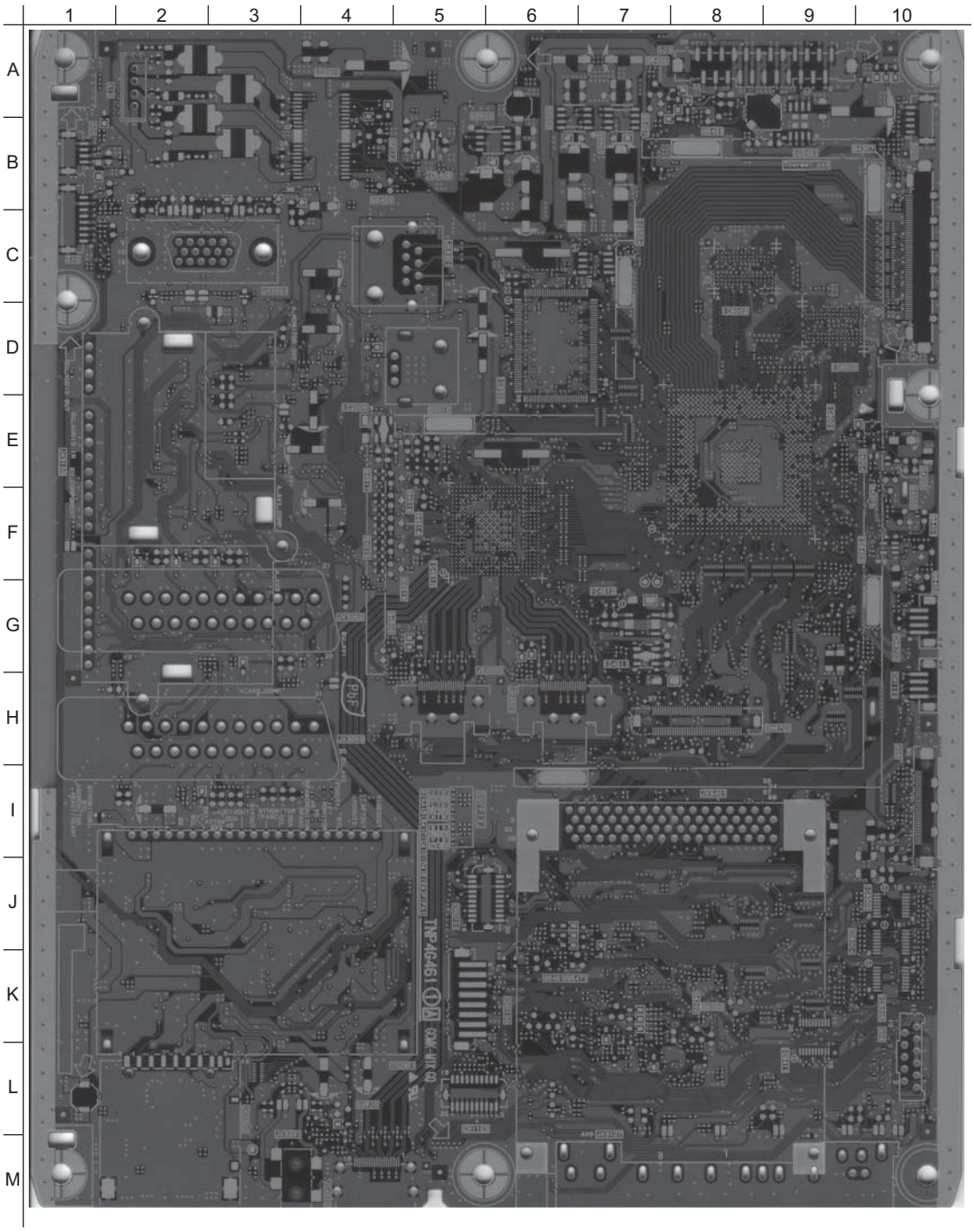
LOCALIZAÇÃO DOS COMPONENTES

REF.	POSIÇÃO	REF.	POSIÇÃO	REF.	POSIÇÃO	REF.	POSIÇÃO
IC1100	K4	IC5441	M9	IC8401	G2	IC8581	H3
IC1101	L3	IC5480	J5	IC8404	J4	D3015	D7
IC2750	L2	IC5600	B6	IC8405	J3		
IC2901	K10	IC5601	B4	IC8408	J3		
IC2902	K9	IC8004	C4	IC8409	L3		
IC3001	D8	IC8301	K8	IC8410	J2		
IC4513	G7	IC8302	L8	IC8502	H4		
IC5405	A4	IC8005	D4	IC8580	G3		

9.1.1. PLACA "A" - (Silk do lado A)



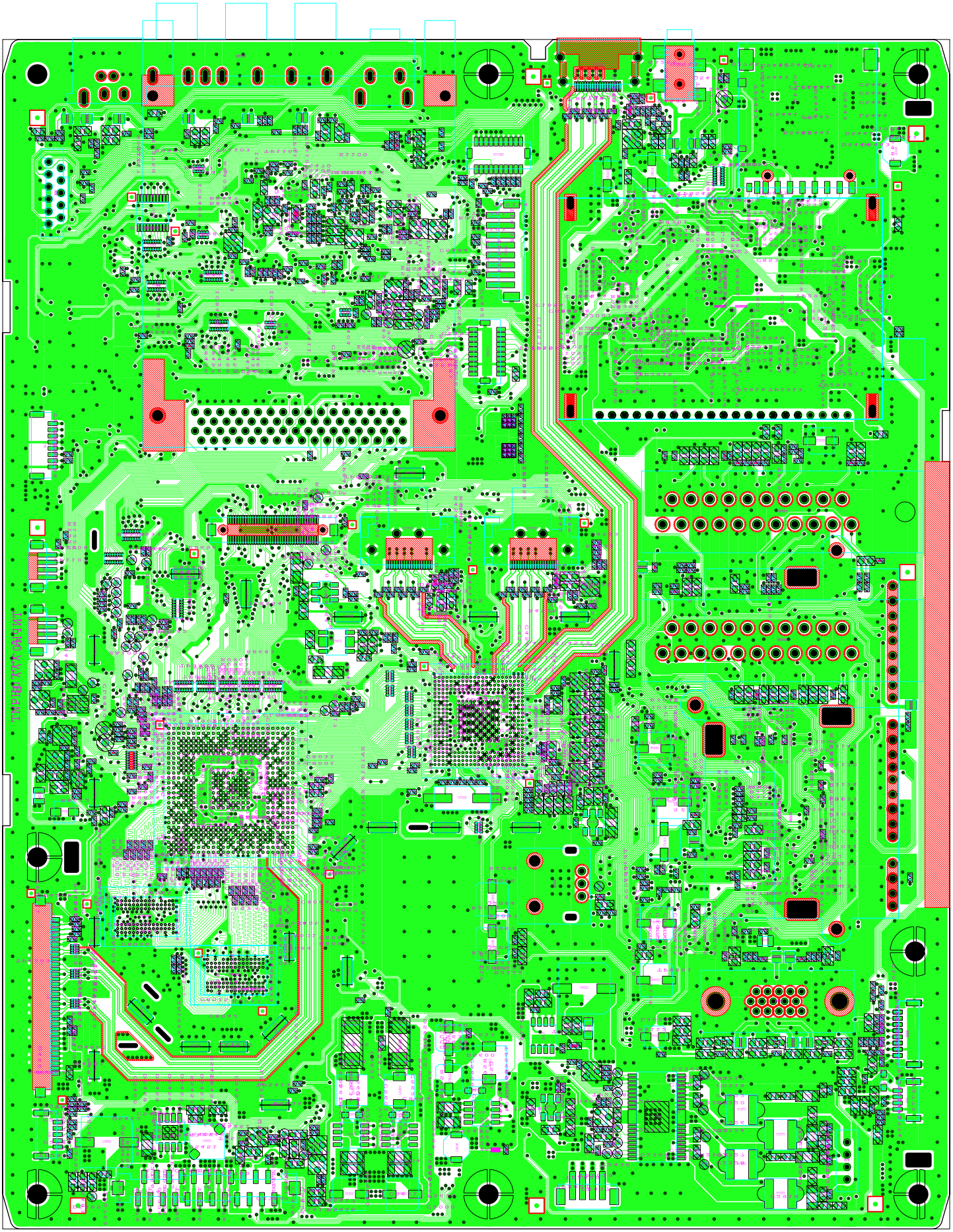
9.2. PLACA "A" - (Layout do lado B)



LOCALIZAÇÃO DOS COMPONENTES

REF.	POSIÇÃO	REF.	POSIÇÃO	REF.	POSIÇÃO
IC2008	E4	IC5451	B9	IC8305	K10
IC2301	A4	IC8001	E9	IC8403	F10
IC4510	F5	IC8002	C8	IC8411	L9
IC4511	G7	IC8003	D9	IC8503	D6
IC4512	G7	IC8303	J10	IC8504	C7
IC5409	B5	IC8304	J10	D3015	D5

9.2.1. PLACA "A" - (Silk do lado B)



10. DIAGRAMAS ESQUEMÁTICOS

10.1. NOTA AOS DIAGRAMAS ESQUEMÁTICOS

ATENÇÃO !

Este aparelho utiliza componentes especiais que consideramos importantes para a segurança de seu funcionamento. Estes componentes são identificados com a marca "⚠" nos diagramas esquemáticos, nos diagramas em blocos e nas vistas explodidas. Sempre que for necessário substituir qualquer destes componentes, utilize somente aqueles especificados nas listas de peças. Nunca modifique a especificação de qualquer componente sem a orientação da Panasonic do Brasil.

1. Resistores
A unidade de resistência é homs "Ω" (K=1.000, M=1.000.000).

2. Capacitores
A unidade de capacitância é "µF", quando outra não for especificada.

3. Bobinas
A unidade de indutância é "µF", quando outra não for especificada.

4. Pontos de Teste
São indicados sempre pela marca: "⚲"

5. Simbolos de terra
Terra chassi (frio): "⏚"
Terra linha (quente): "⏚"

6. Medição de tensão
As tensões são medidas sempre com voltímetro DC
As condições de medição são as seguintes:
Alimentação ..... AC 110-220V, 50/60Hz
Sinal de Entrada ..... Barras coloridas (RF)
Controles do consumidor ..... Todos ajustados no nível "máximo"

7. Quando há uma marca (↗):
A conexão pode ser facilmente encontrada seguindo-se a direção da seta.

8. Indicações do fluxo do sinais principais:
➡ : Vídeo **⇨: Áudio**

9. Estes diagramas esquemáticos foram revisados até a composição deste manual e estão sujeitos a modificações.

Observações:

O circuito de alimentação usa uma fonte de alimentação separada para isolar a conexão de "terra".

Estas áreas são definidas pela indicação "HOT" e "COLD" no diagrama esquemático.

Tome as seguintes precauções:

Todos os circuitos, exceto o da fonte são "COLD".

Precauções:

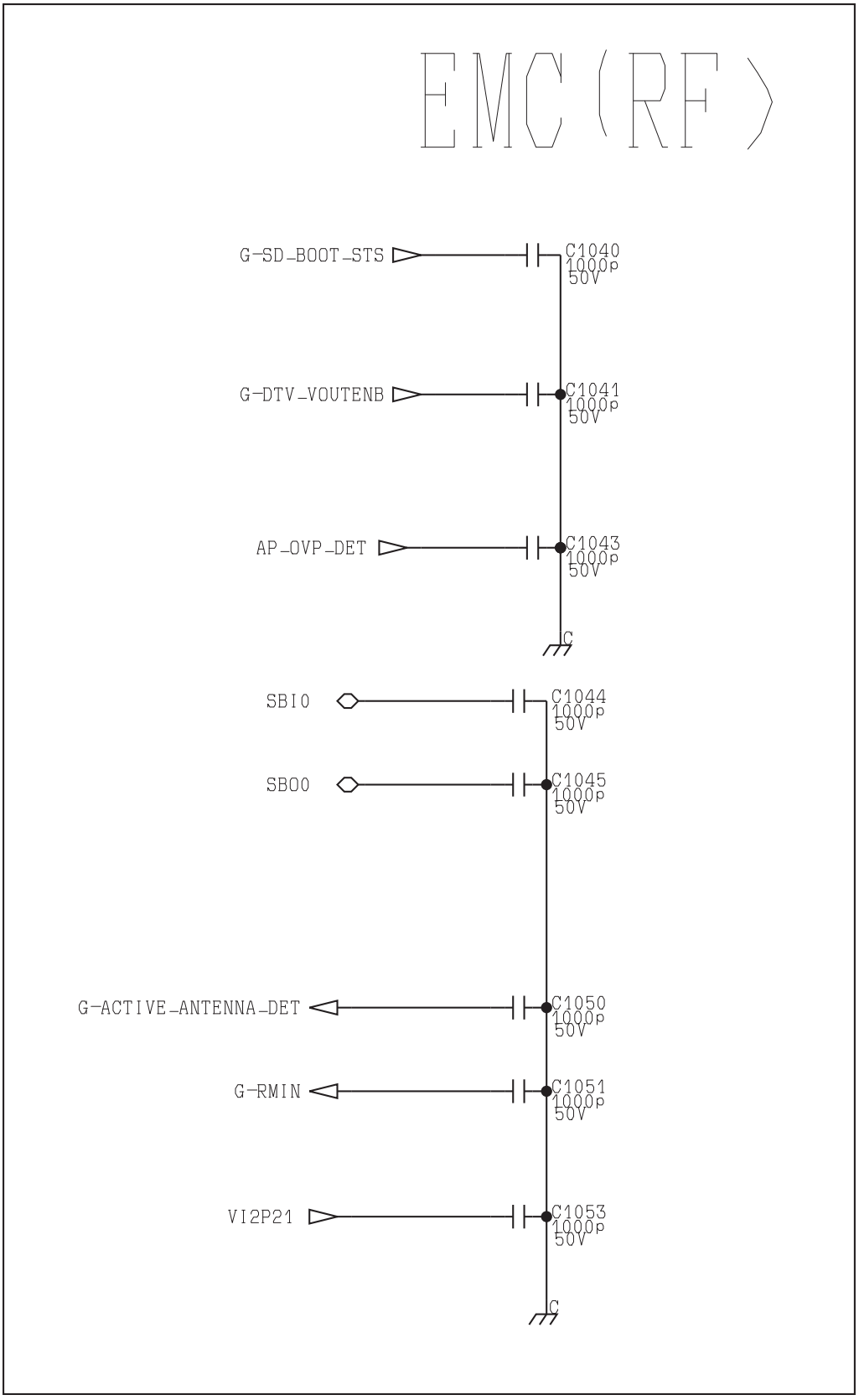
a. Não toque nas partes definidas como "HOT" ou em "HOT" e "COLD" simultaneamente para evitar choque.

b. Não provoque curto-circuito entre as partes "HOT" e "COLD" para evitar queima de fusível e/ou outros componentes.

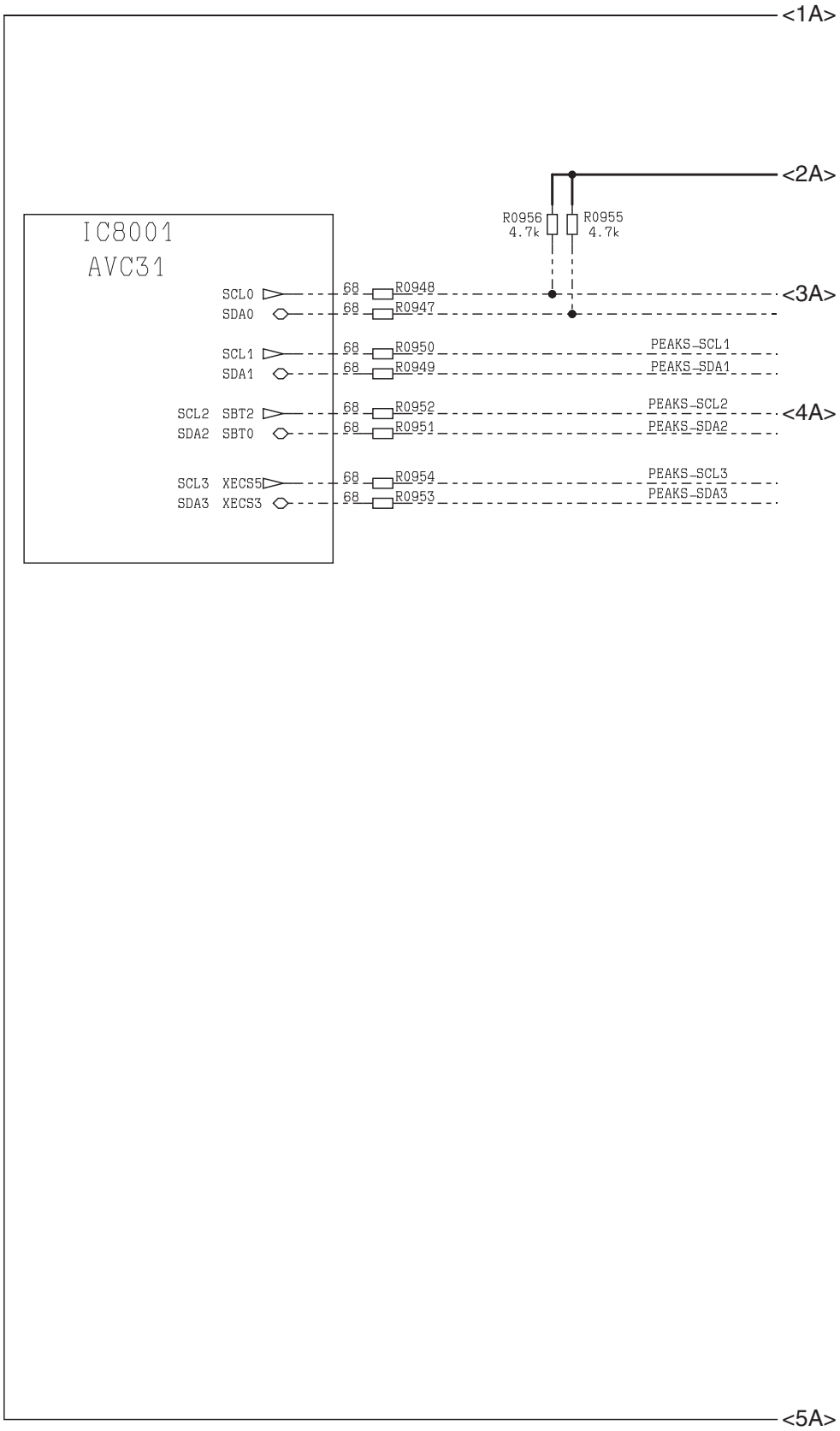
c. Não conecte instrumentos (osciloscópio, multímetro) entre as partes "HOT" e "COLD" simultaneamente para evitar queima de fusível. Ligue a conexão "terra" do instrumento ao "terra" do circuito a ser examinado.

d. Certifique-se de desconectar o cabo de alimentação antes de remover o chassi.

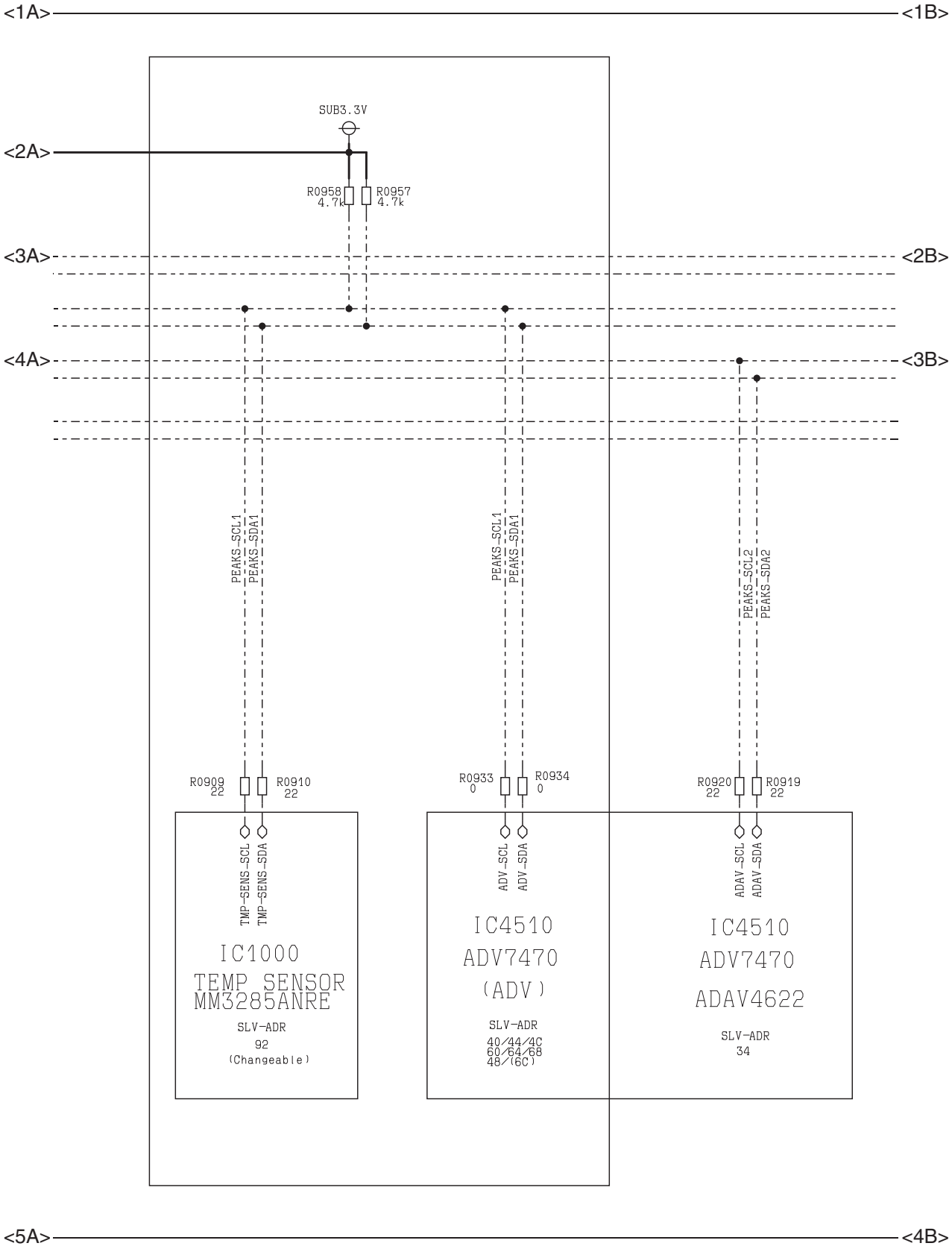
10.2. DIAGRAMAS ESQUEMÁTICOS DA PLACA “A”
10.2.1. PLACA “A” - FOLHA 001 (1/1)



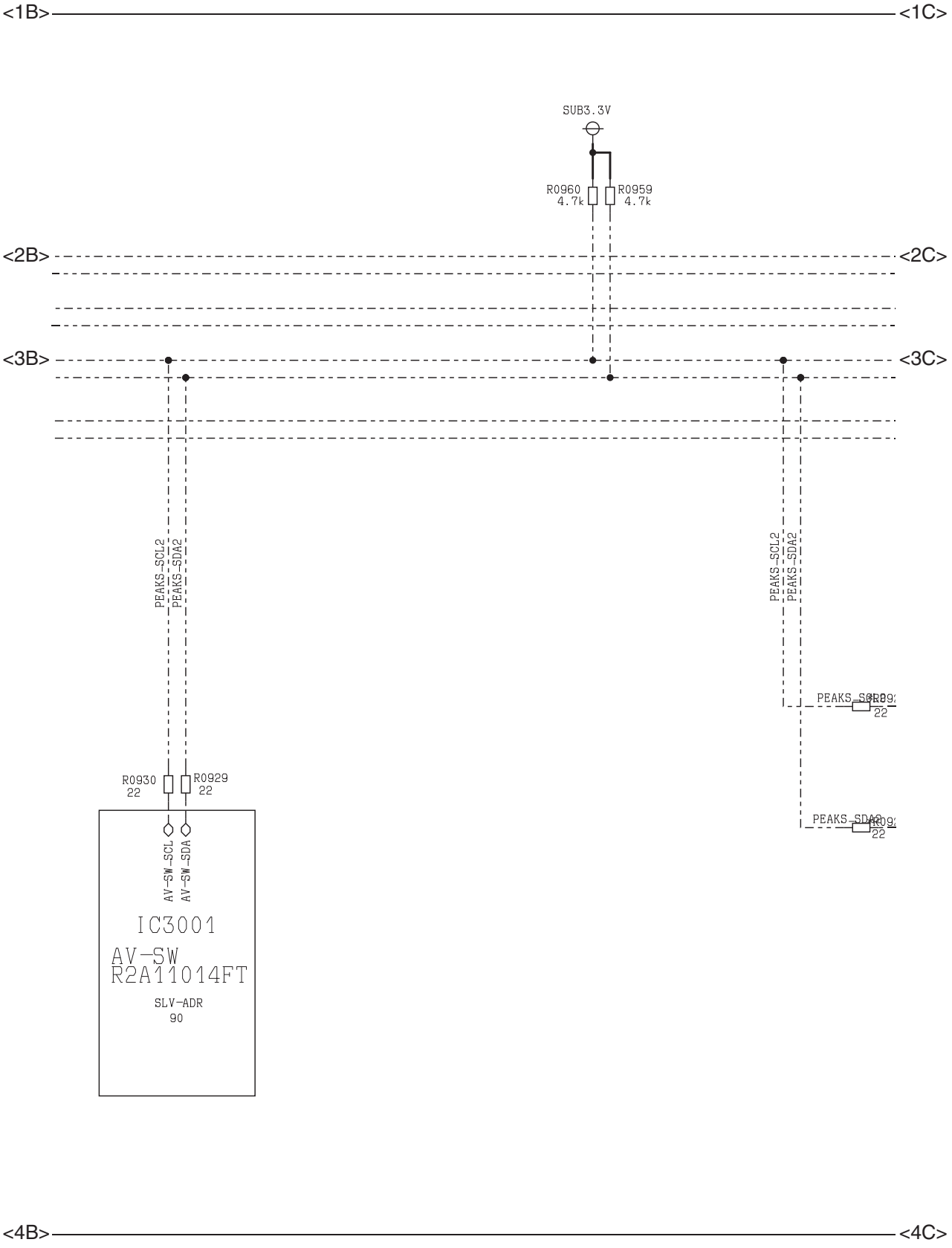
10.2.2. PLACA “A” - FOLHA 002 (1/8)



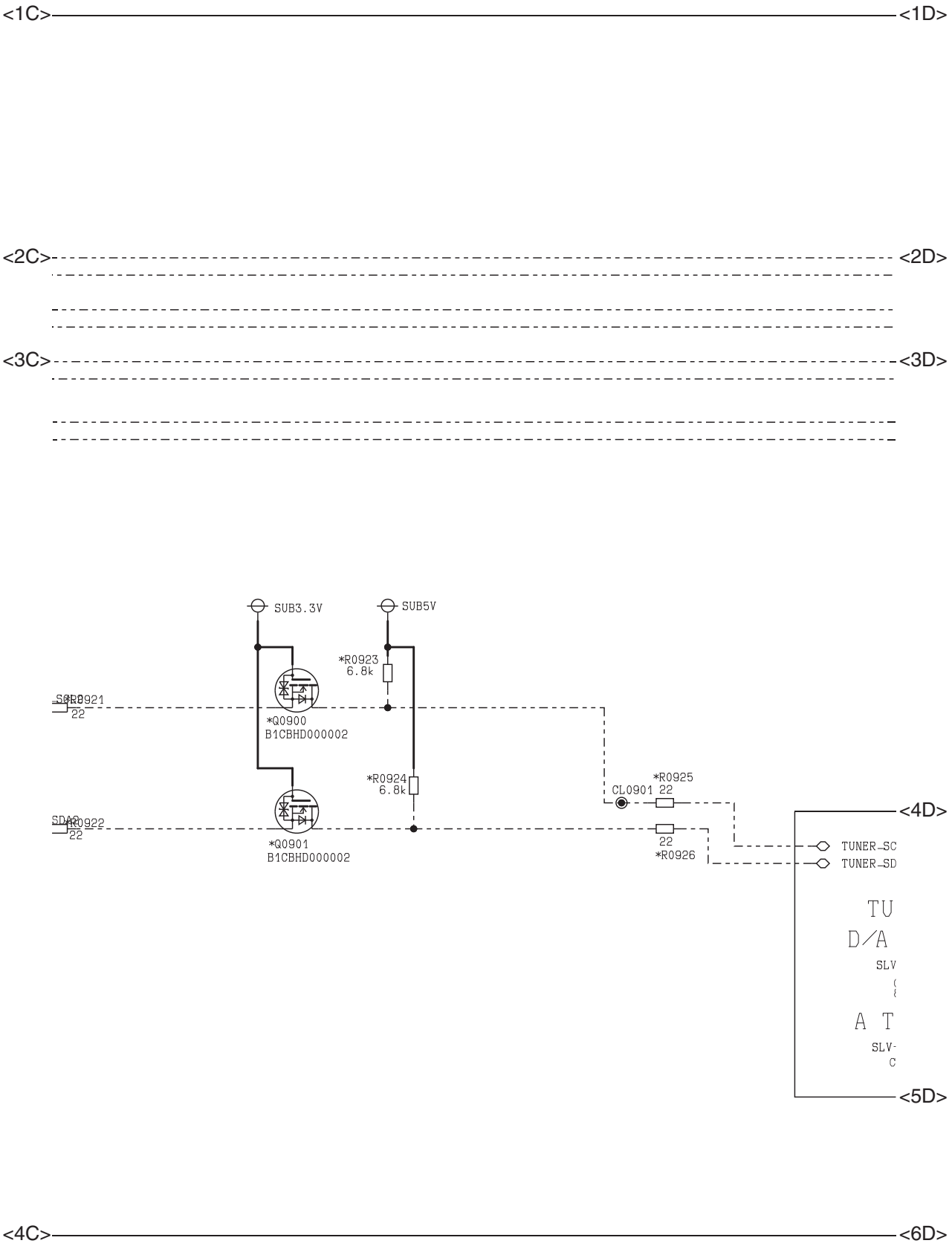
10.2.3. PLACA “A” - FOLHA 002 (2/8)



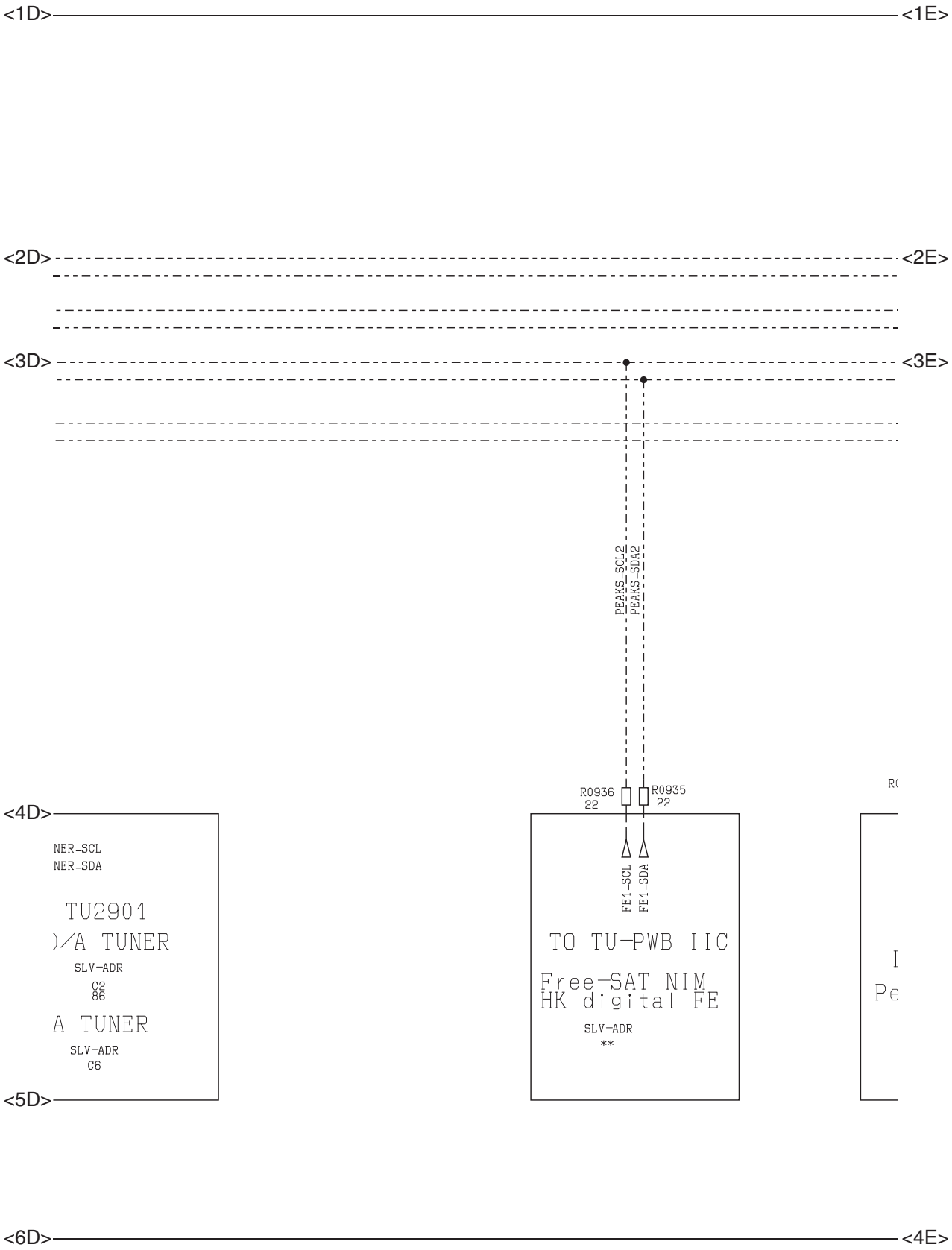
10.2.4. PLACA “A” - FOLHA 002 (3/8)



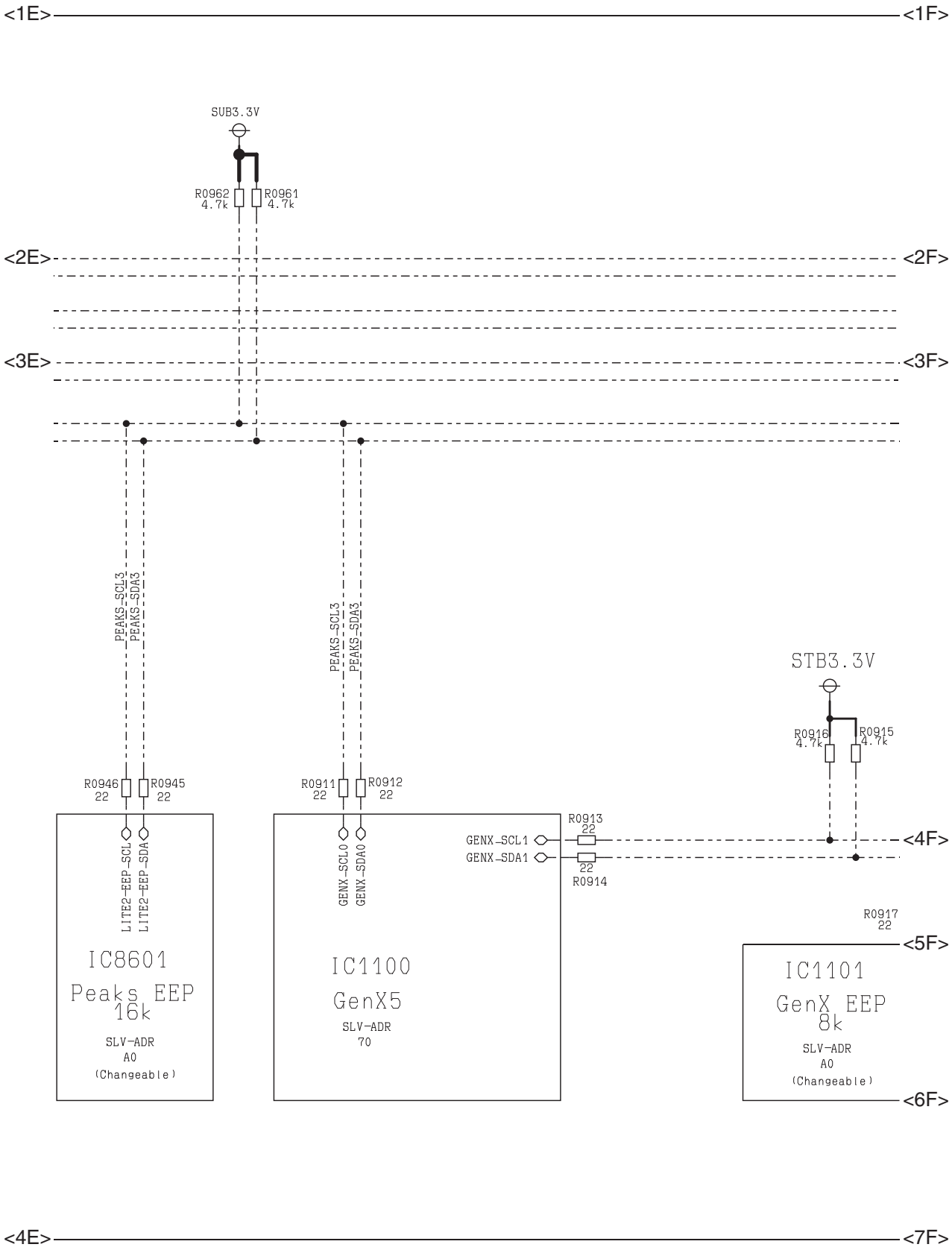
10.2.5. PLACA “A” - FOLHA 002 (4/8)



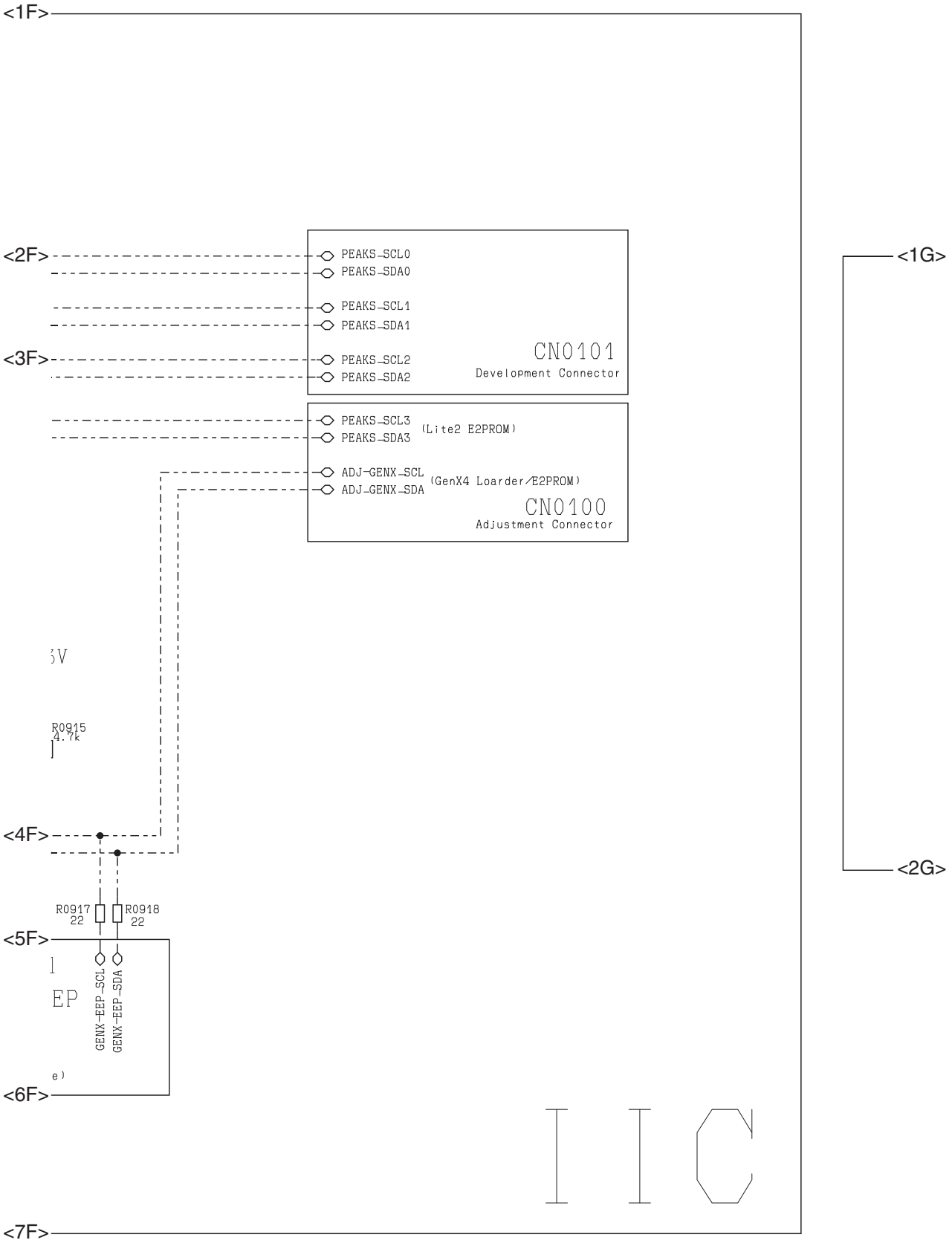
10.2.6. PLACA “A” - FOLHA 002 (5/8)



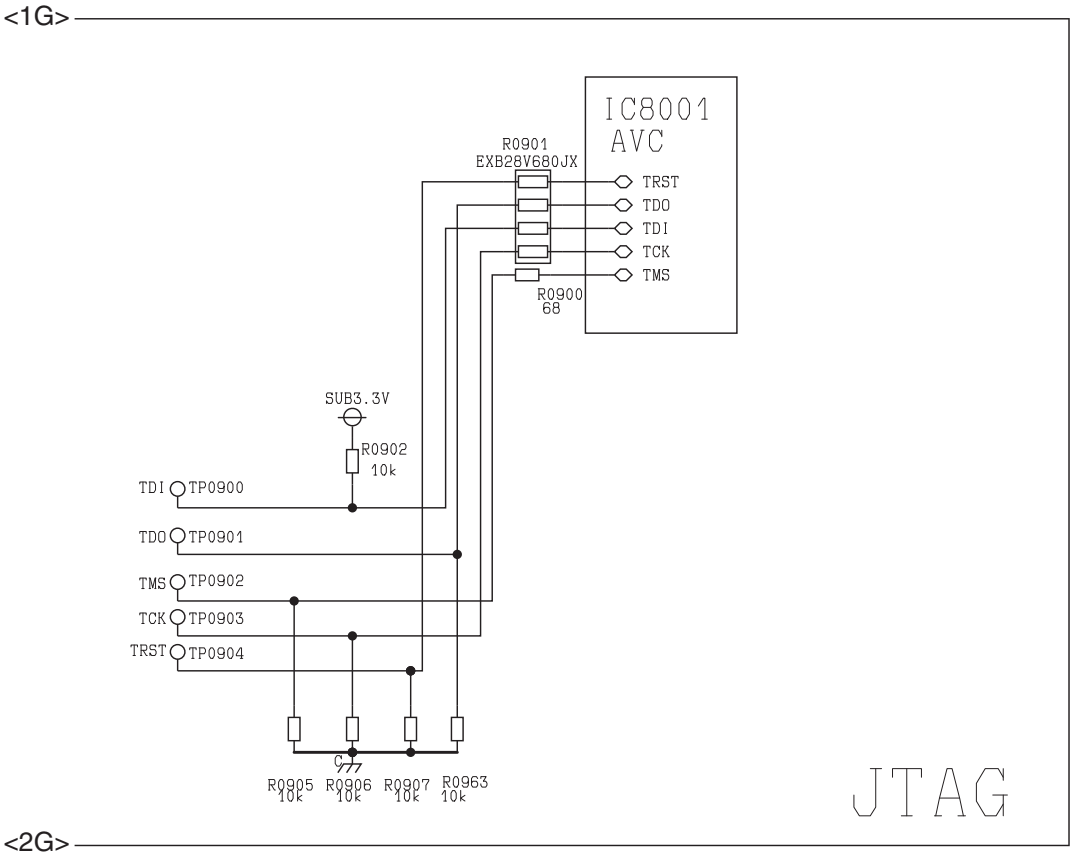
10.2.7. PLACA “A” - FOLHA 002 (6/8)



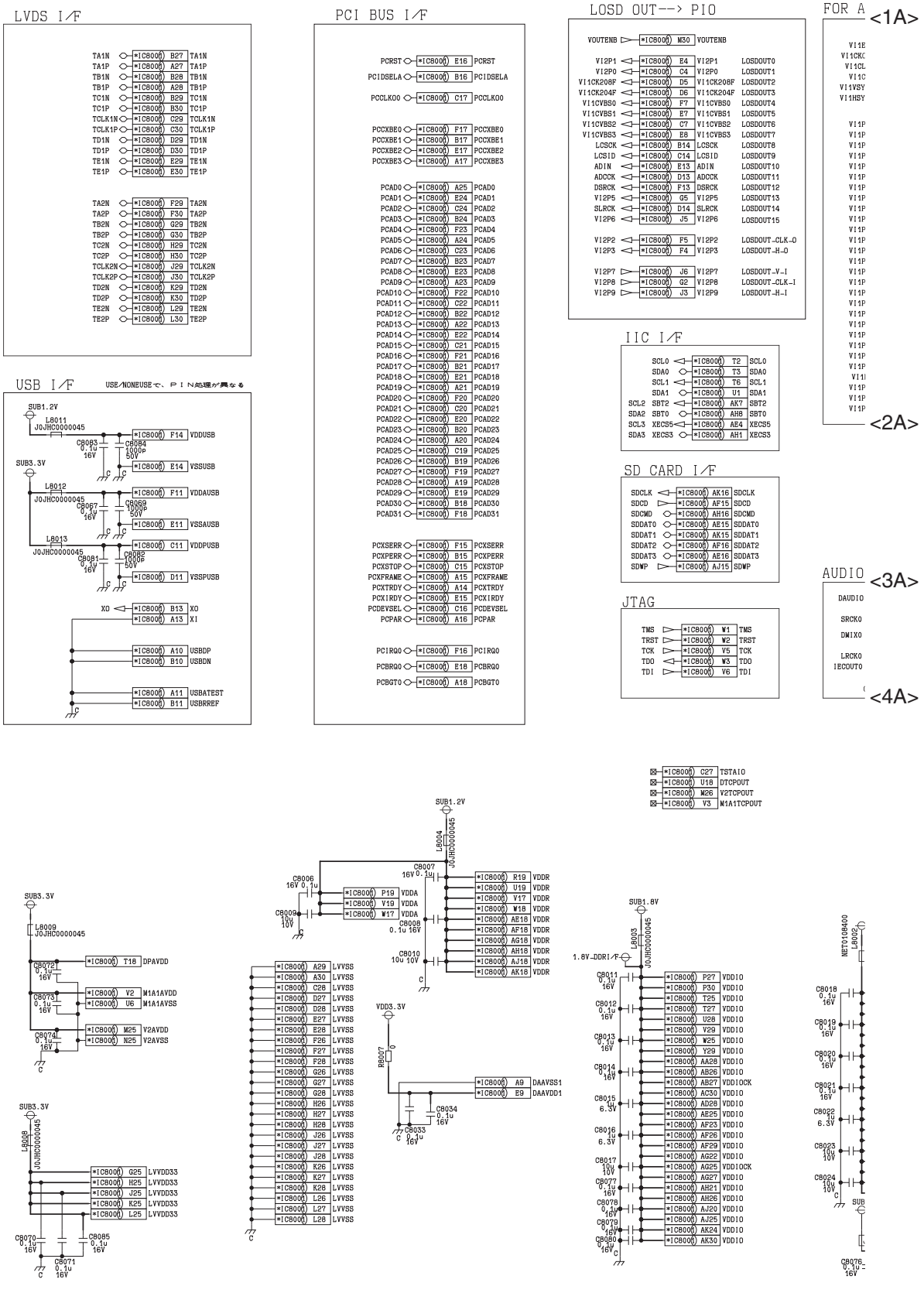
10.2.8. PLACA “A” - FOLHA 002 (7/8)



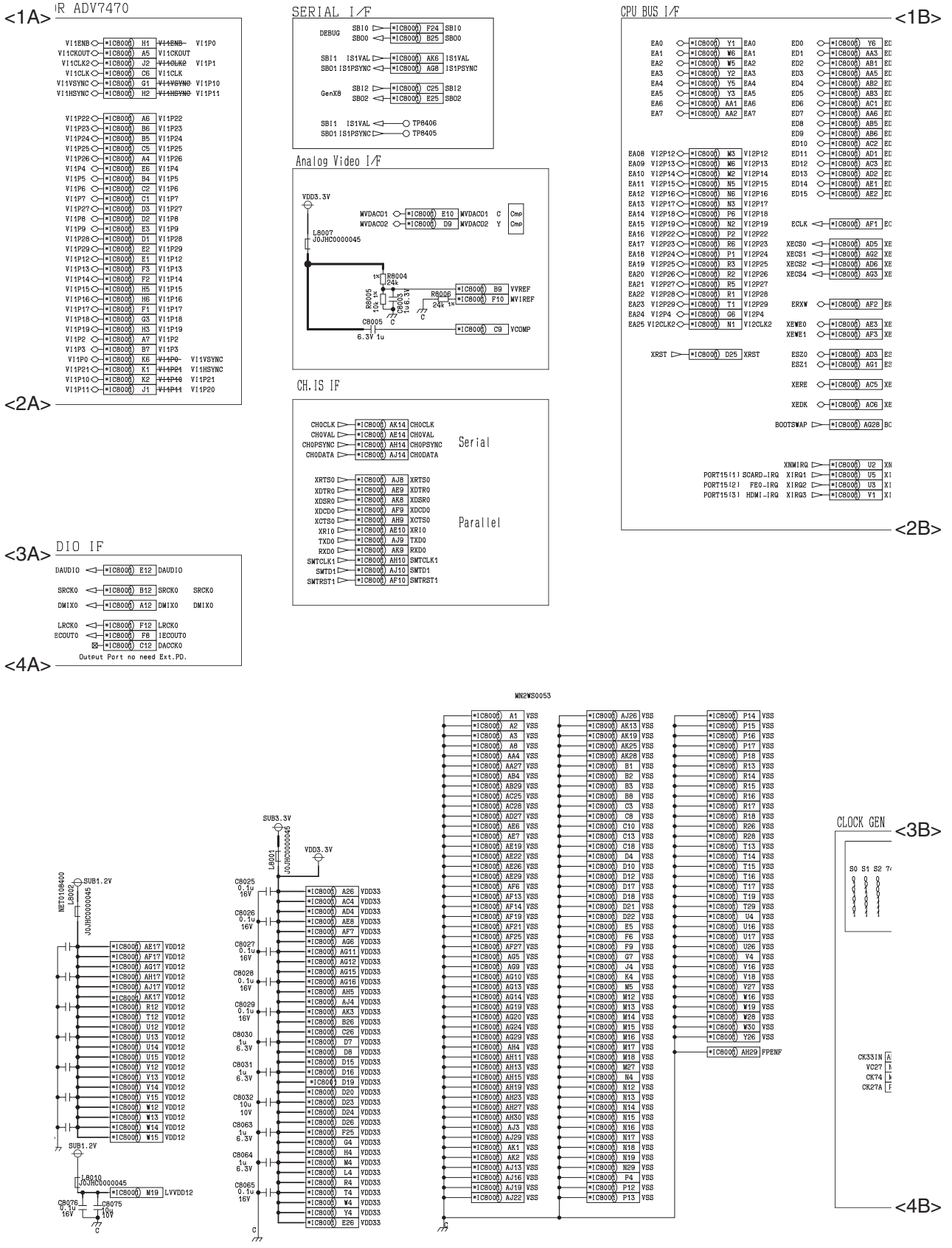
10.2.9. PLACA “A” - FOLHA 002 (8/8)



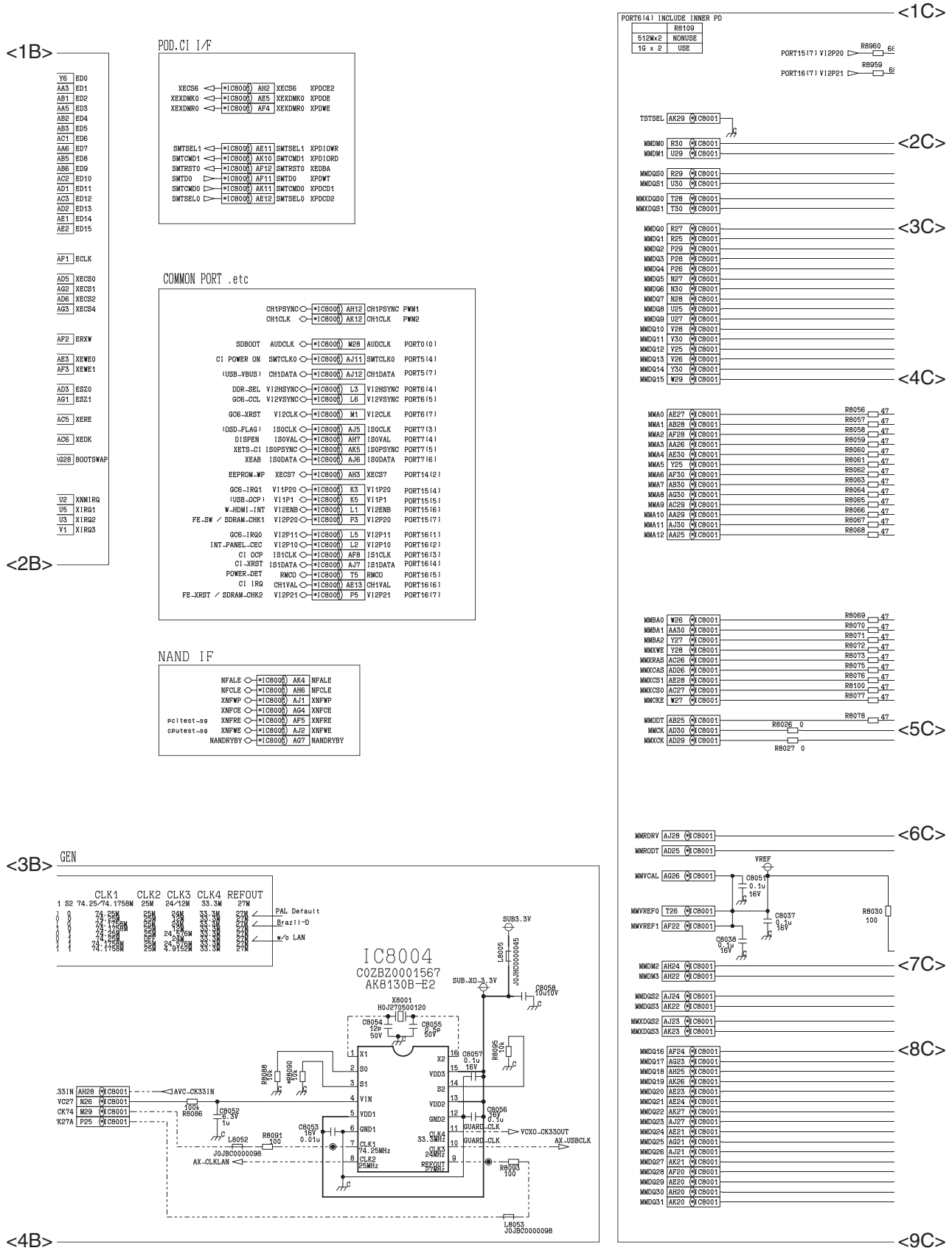
10.2.10. PLACA “A” - FOLHA 003 (1/4)



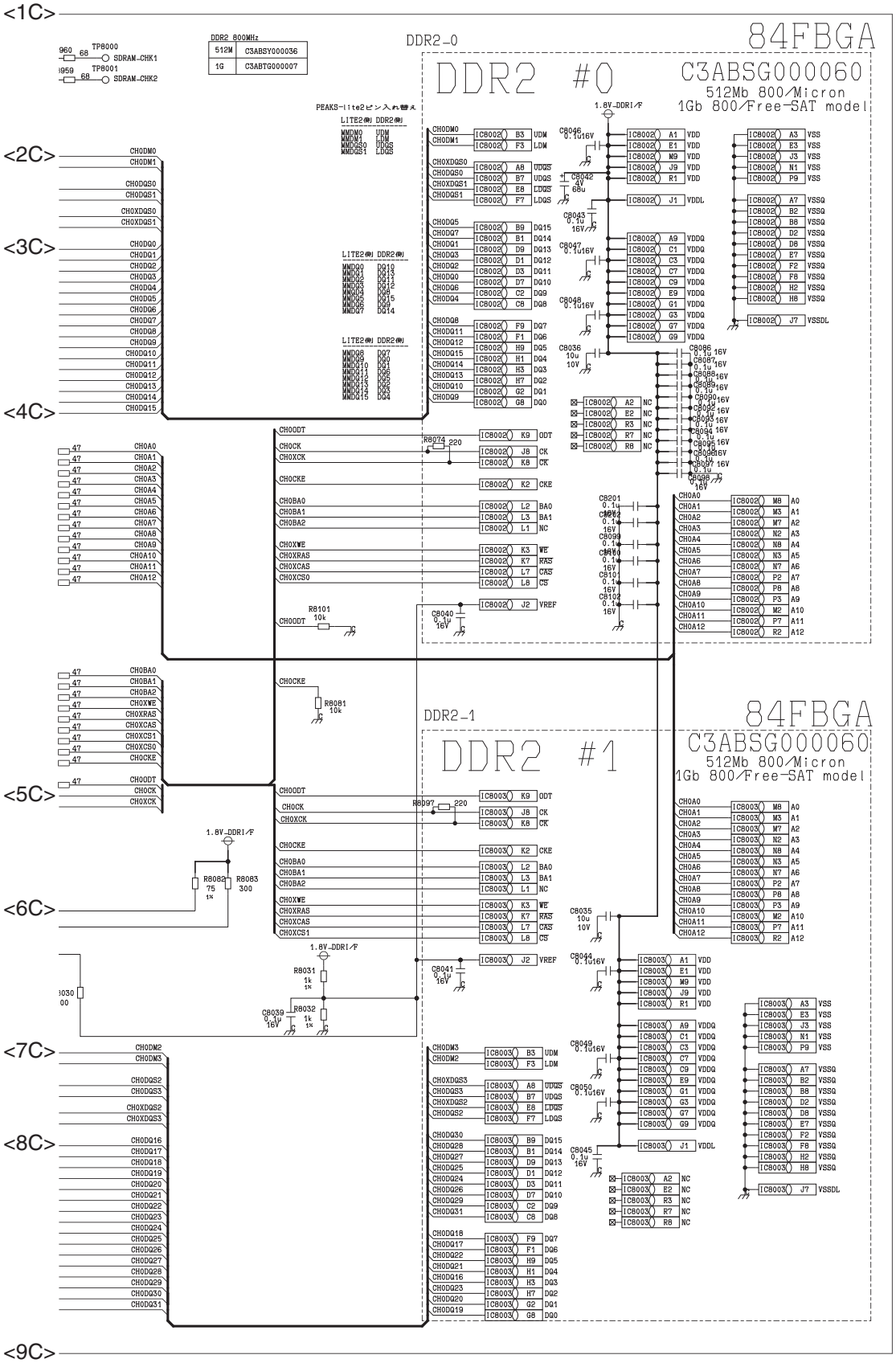
10.2.11. PLACA “A” - FOLHA 003 (2/4)



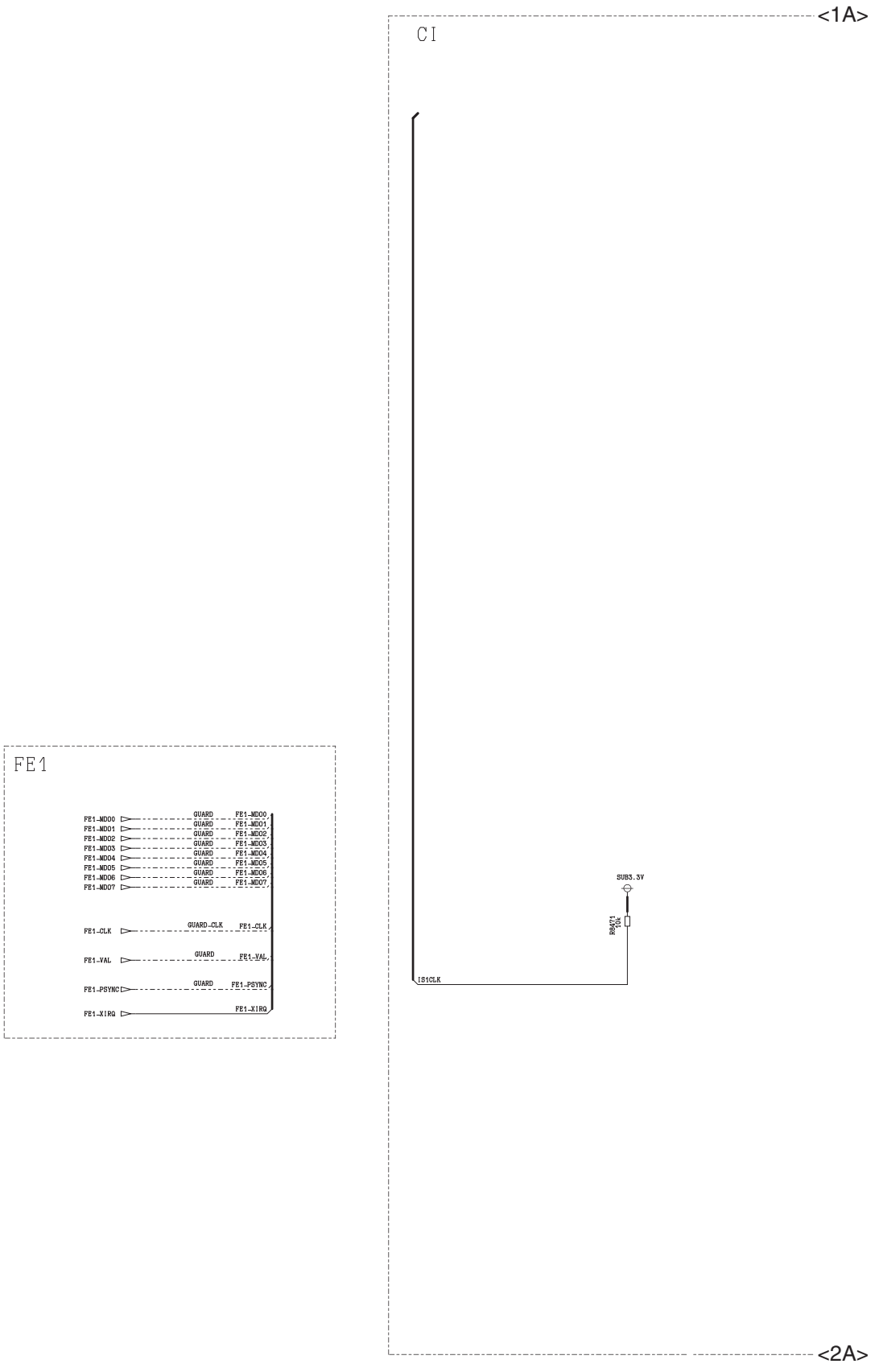
10.2.12. PLACA “A” - FOLHA 003 (3/4)



10.2.13. PLACA “A” - FOLHA 003 (4/4)



10.2.14. PLACA “A” - FOLHA 004 (1/4)



10.2.15. PLACA “A” - FOLHA 004 (2/4)

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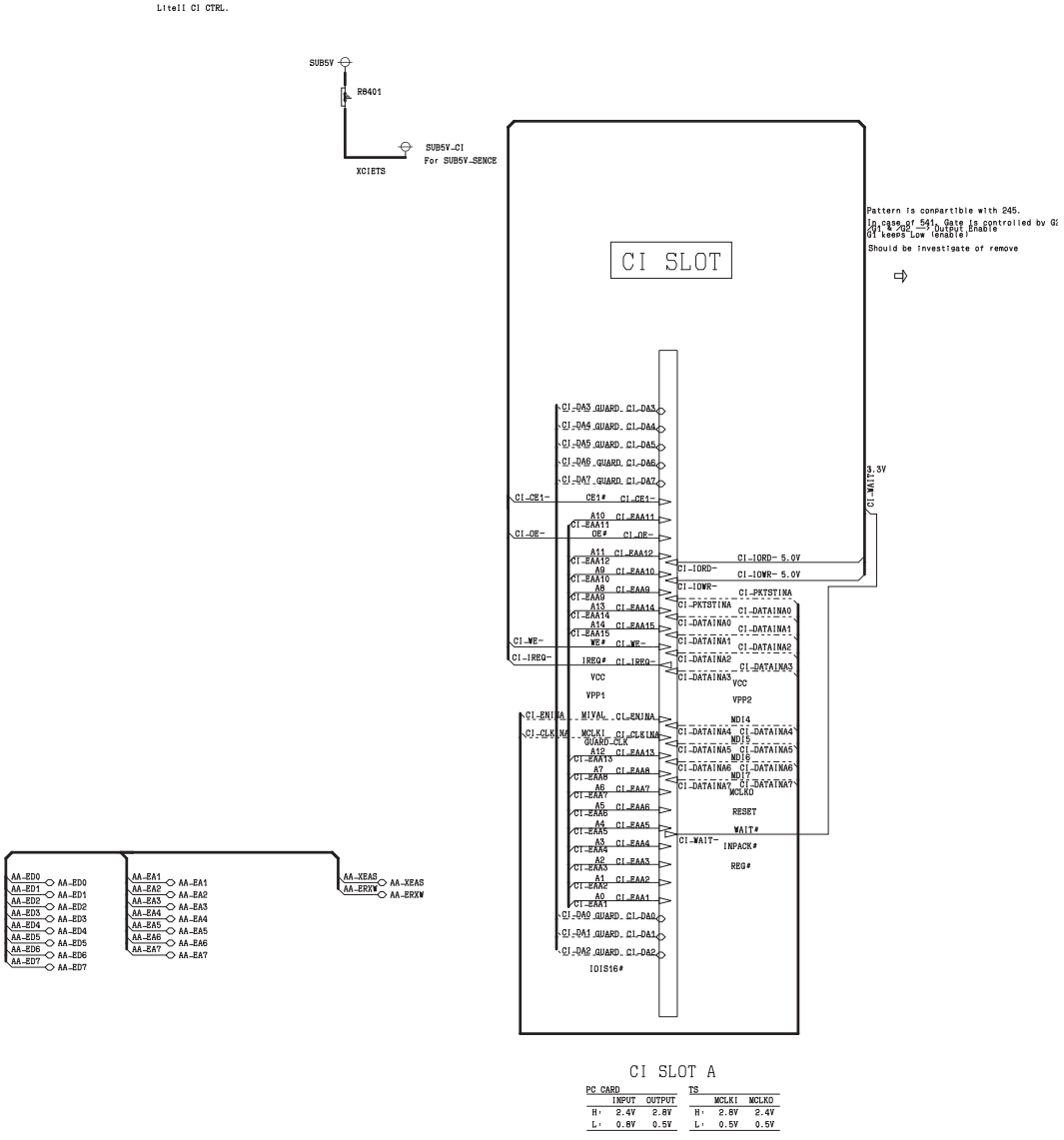
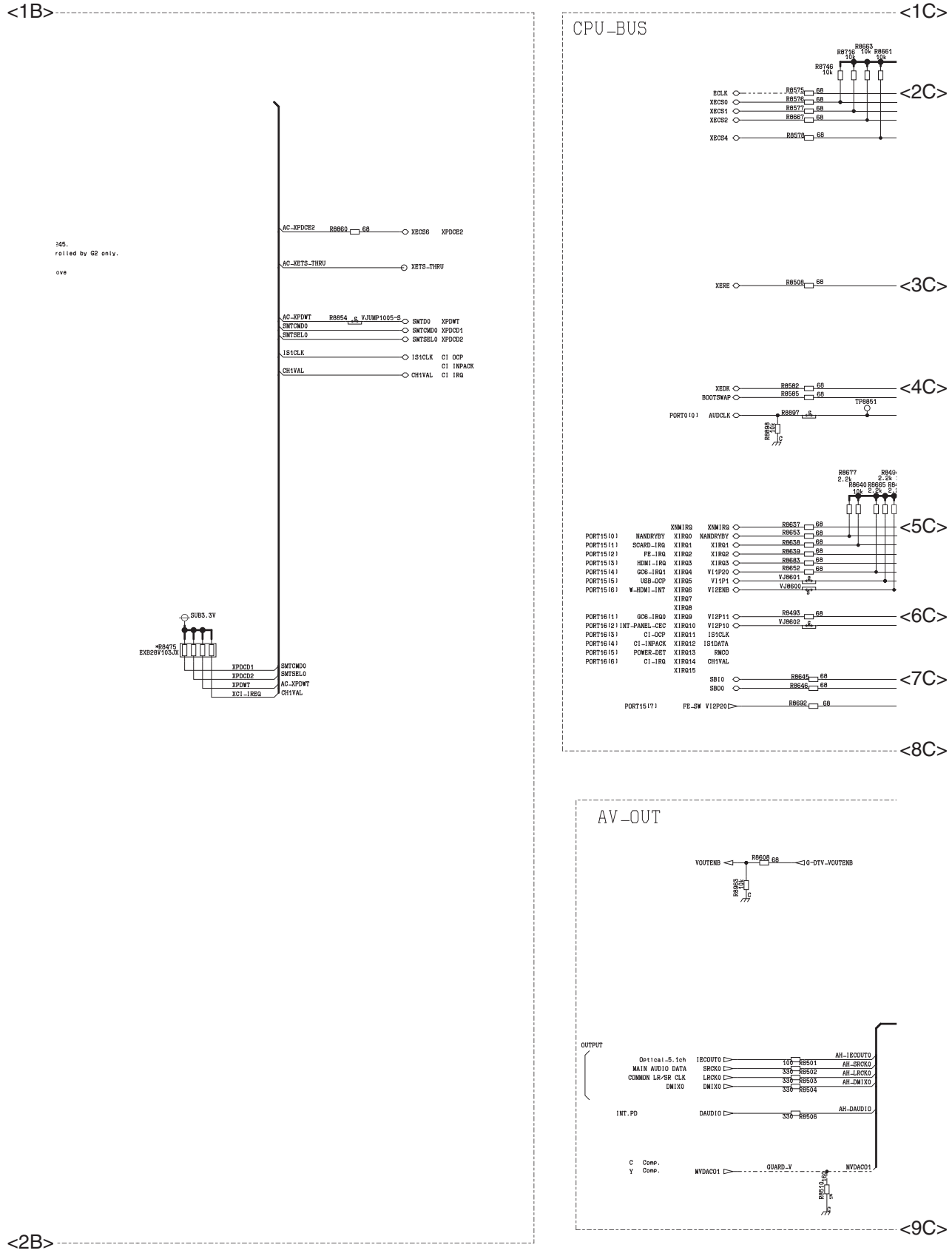


CI SLOT A

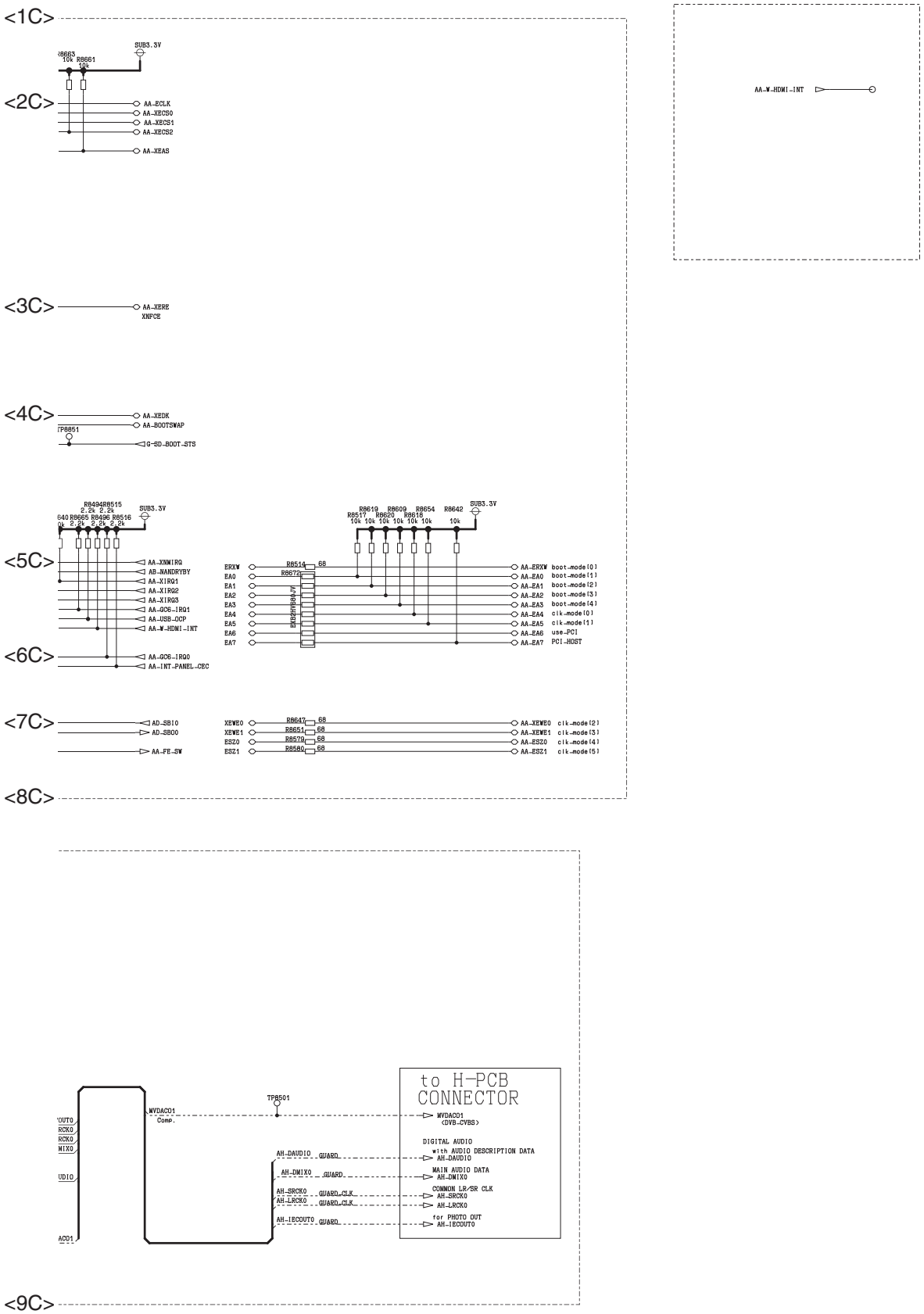
PC CARD			TS		
	INPUT	OUTPUT		MCLKI	MCLKO
H:	2.4V	2.8V	H:	2.8V	2.4V
L:	0.8V	0.5V	L:	0.5V	0.5V

<2A> <2B>

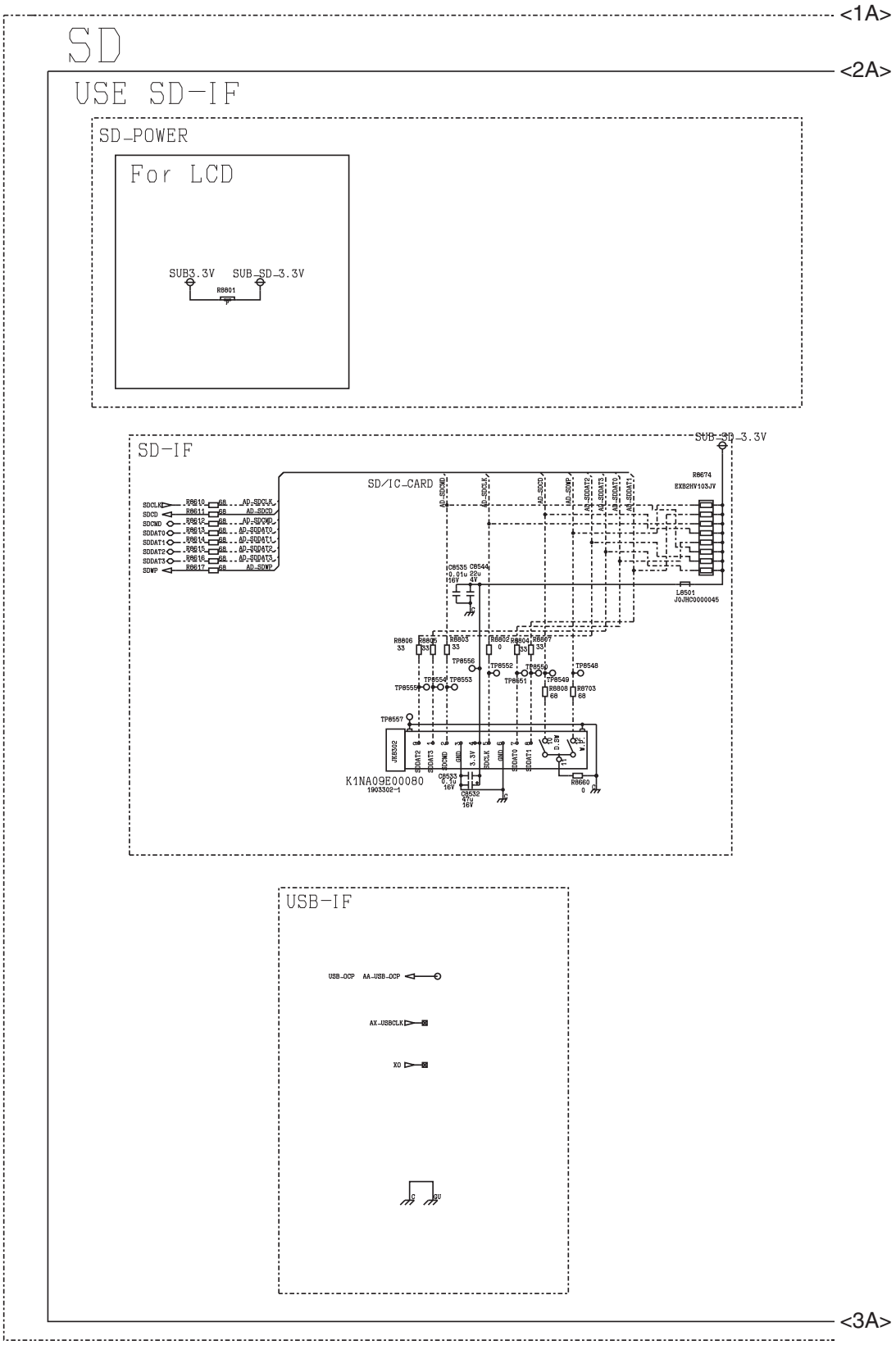
10.2.16. PLACA “A” - FOLHA 004 (3/4)



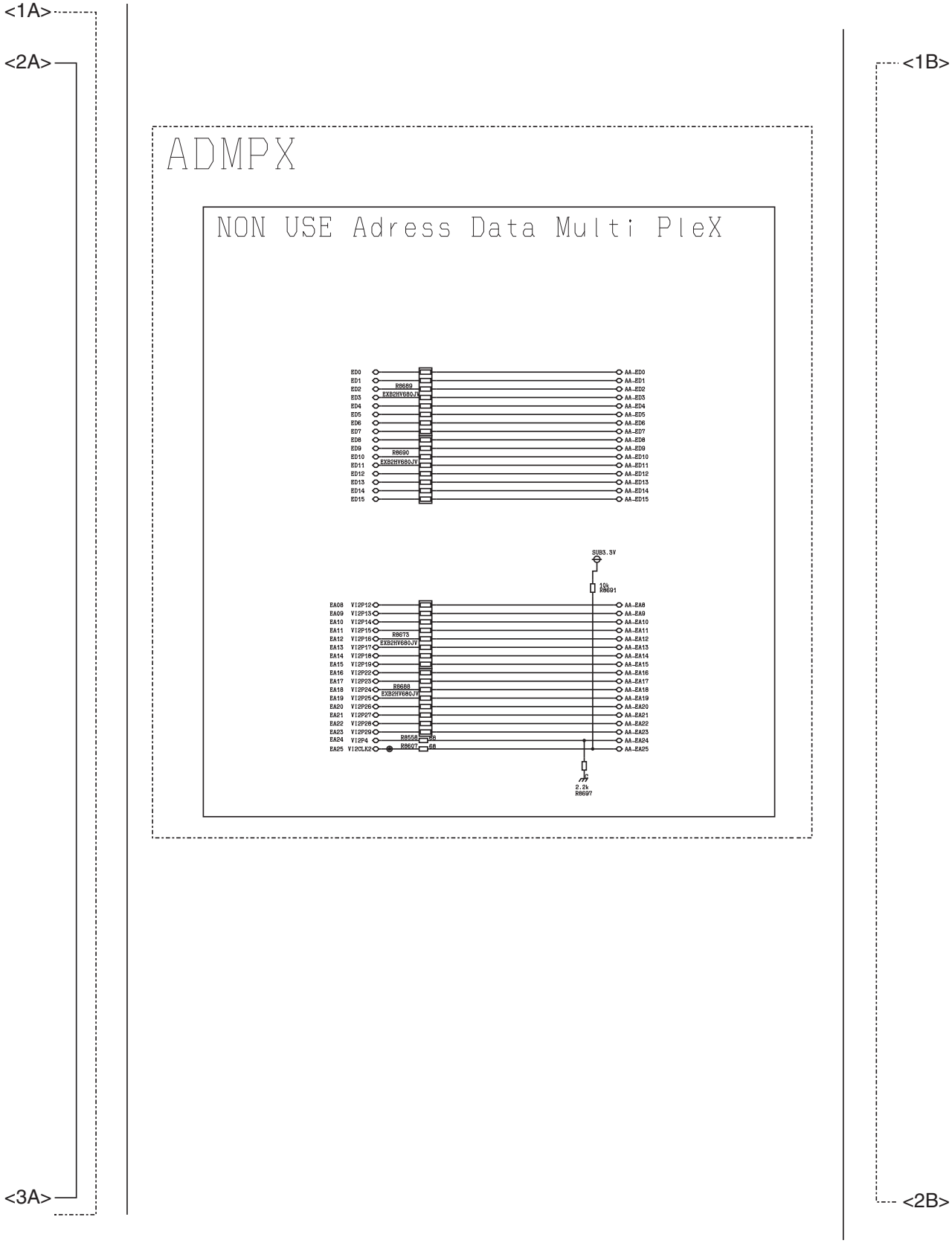
10.2.17. PLACA “A” - FOLHA 004 (4/4)



10.2.18. PLACA “A” - FOLHA 005 (1/5)



10.2.19. PLACA “A” - FOLHA 005 (2/5)



10.2.20. PLACA “A” - FOLHA 005 (3/5)

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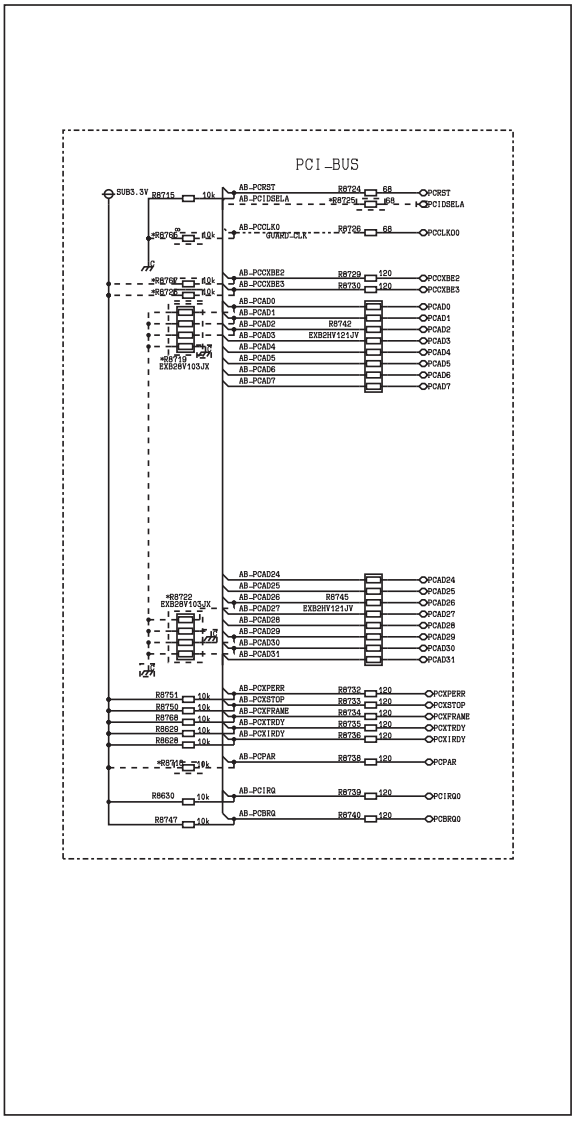

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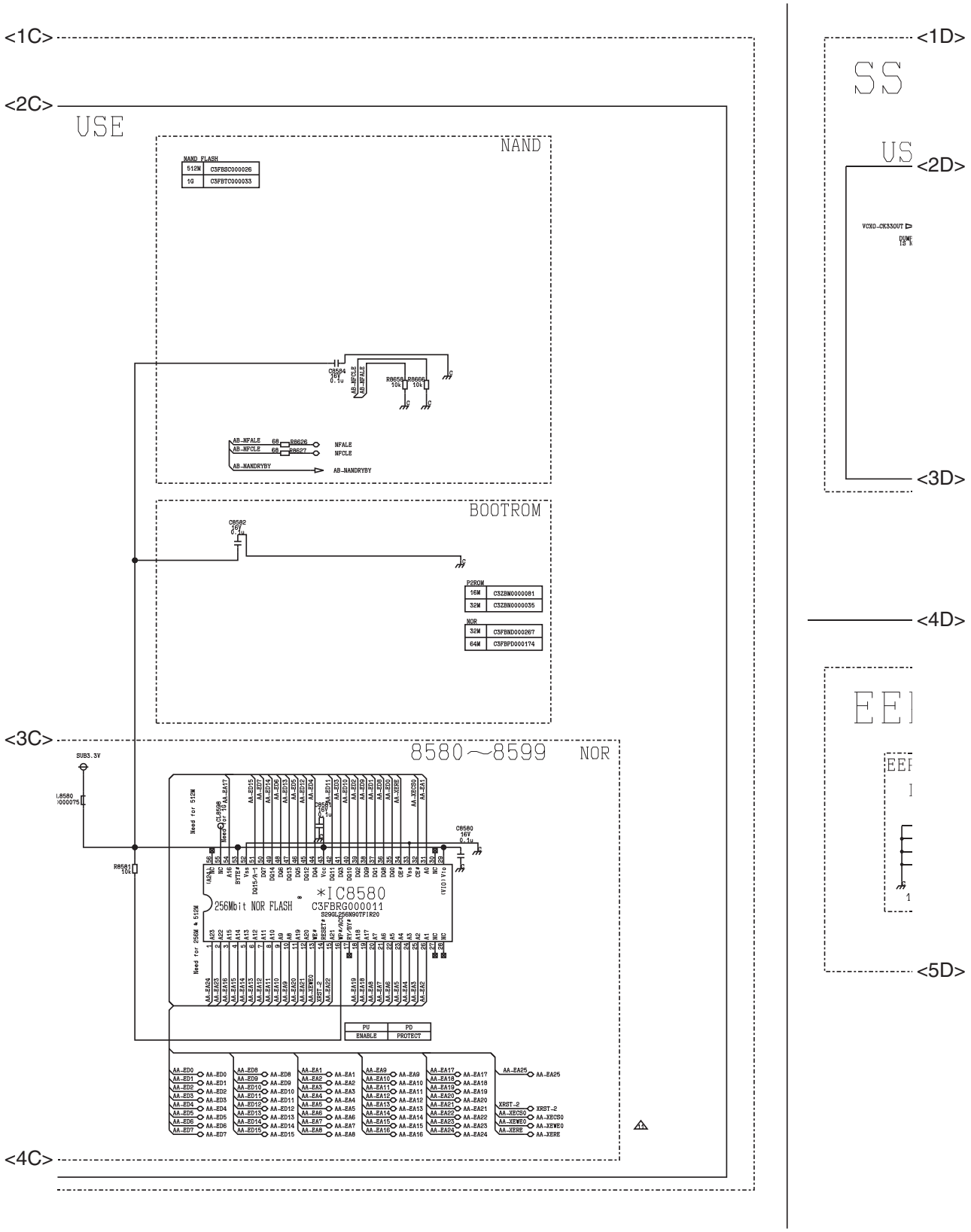
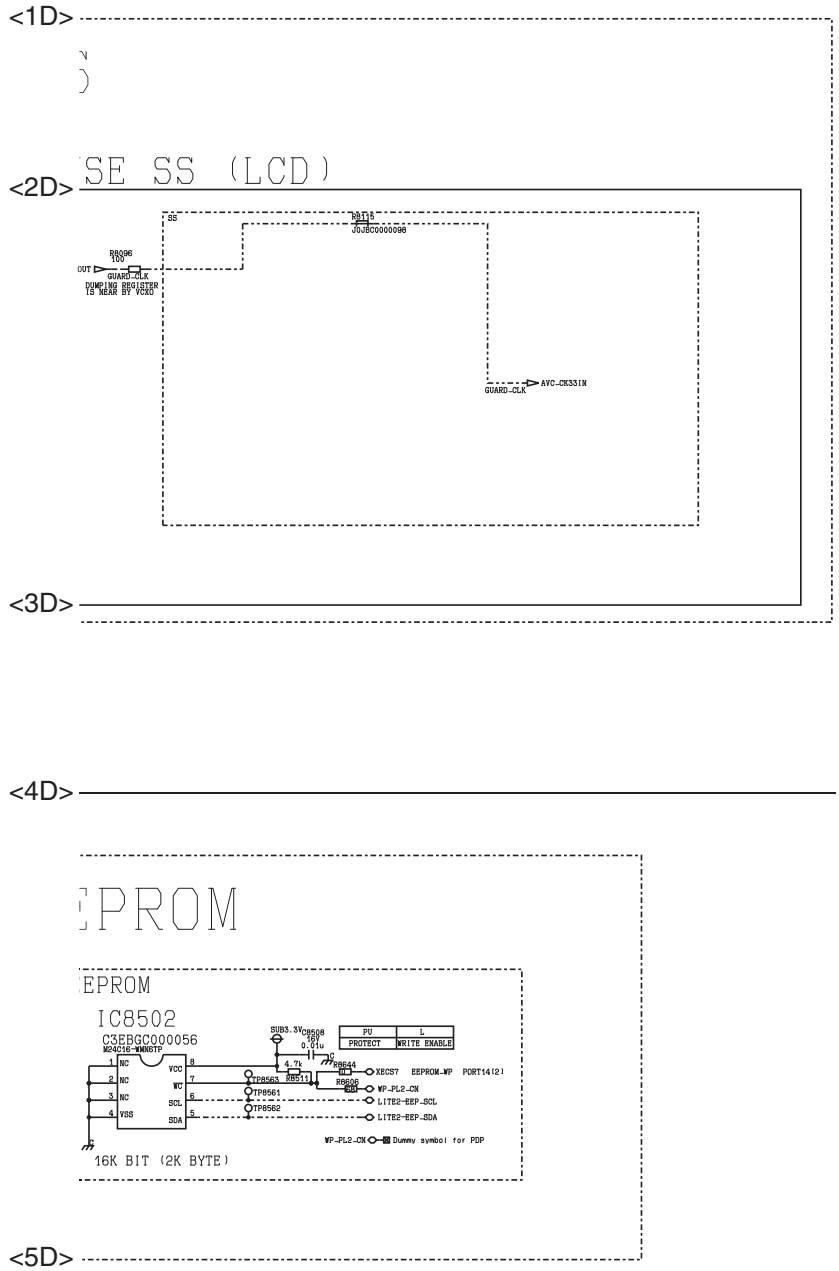
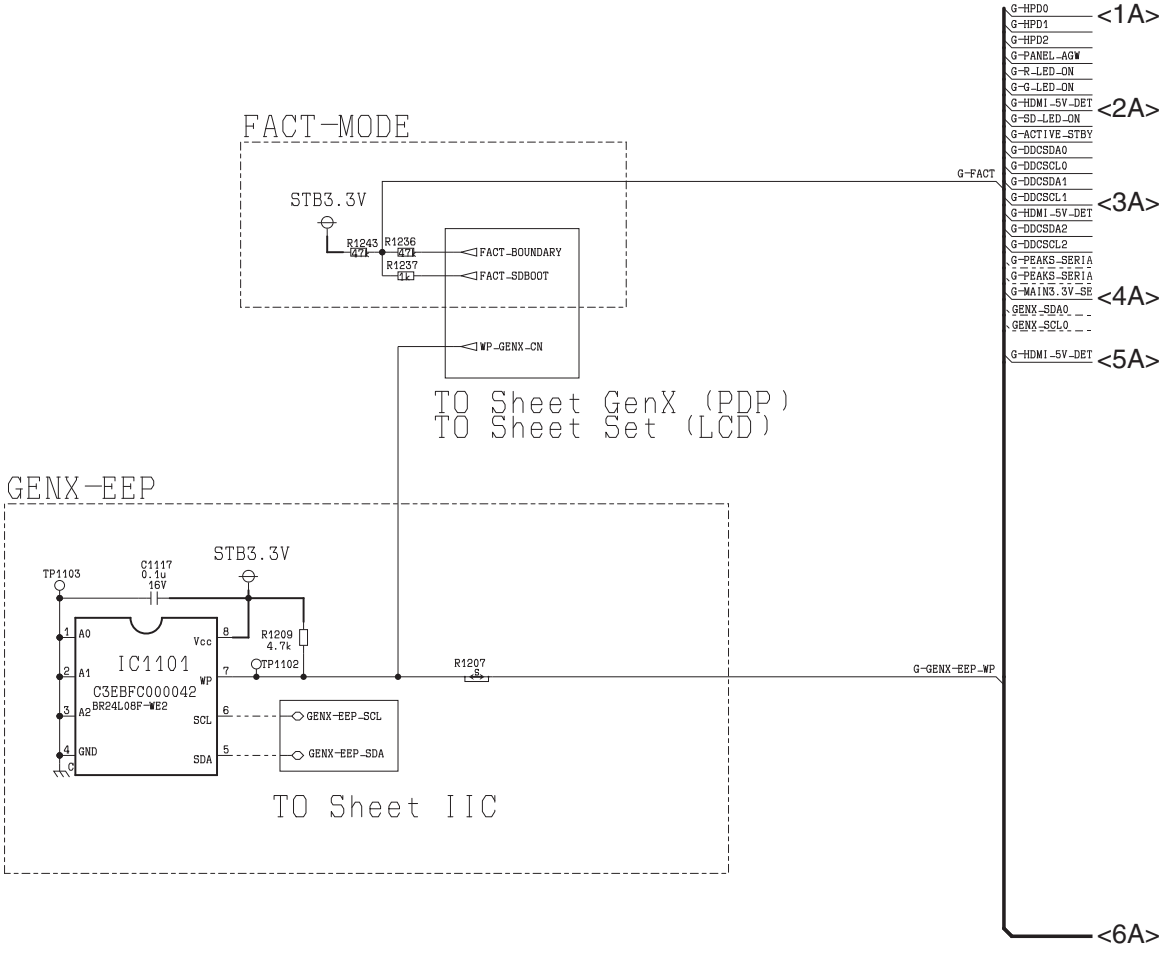


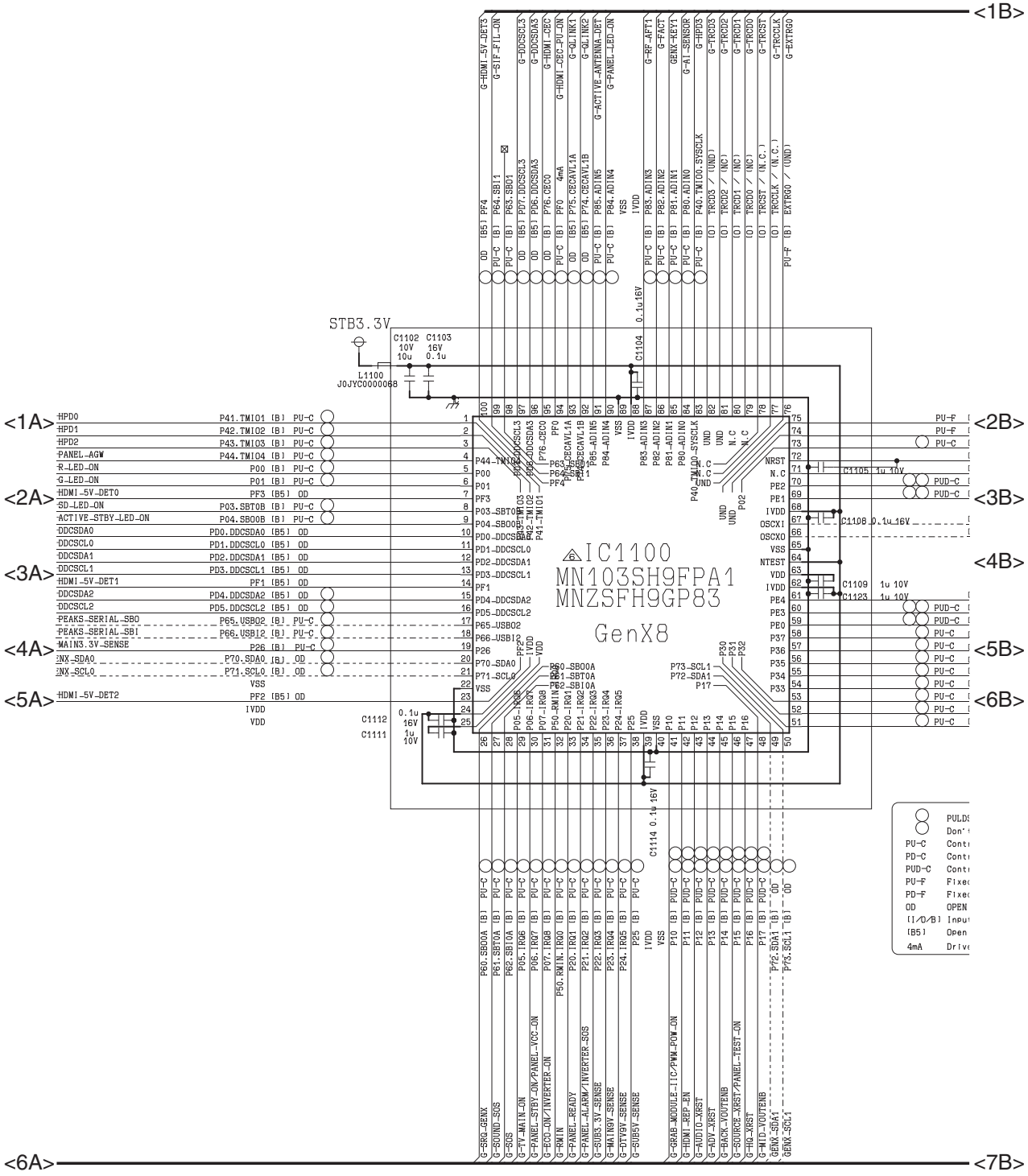
10.2.22. PLACA “A” - FOLHA 005 (5/5)



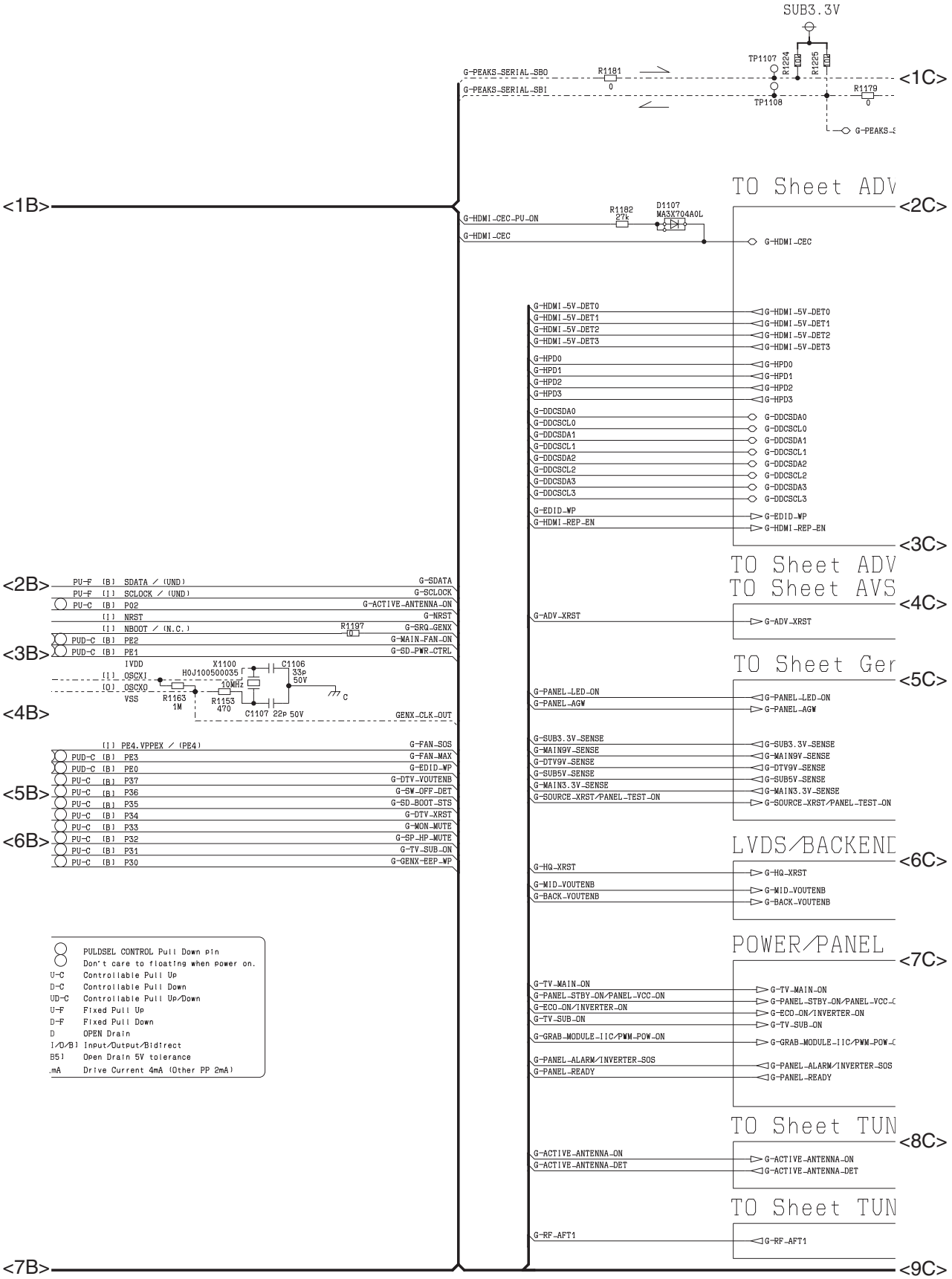
10.2.23. PLACA “A” - FOLHA 006 (1/6)



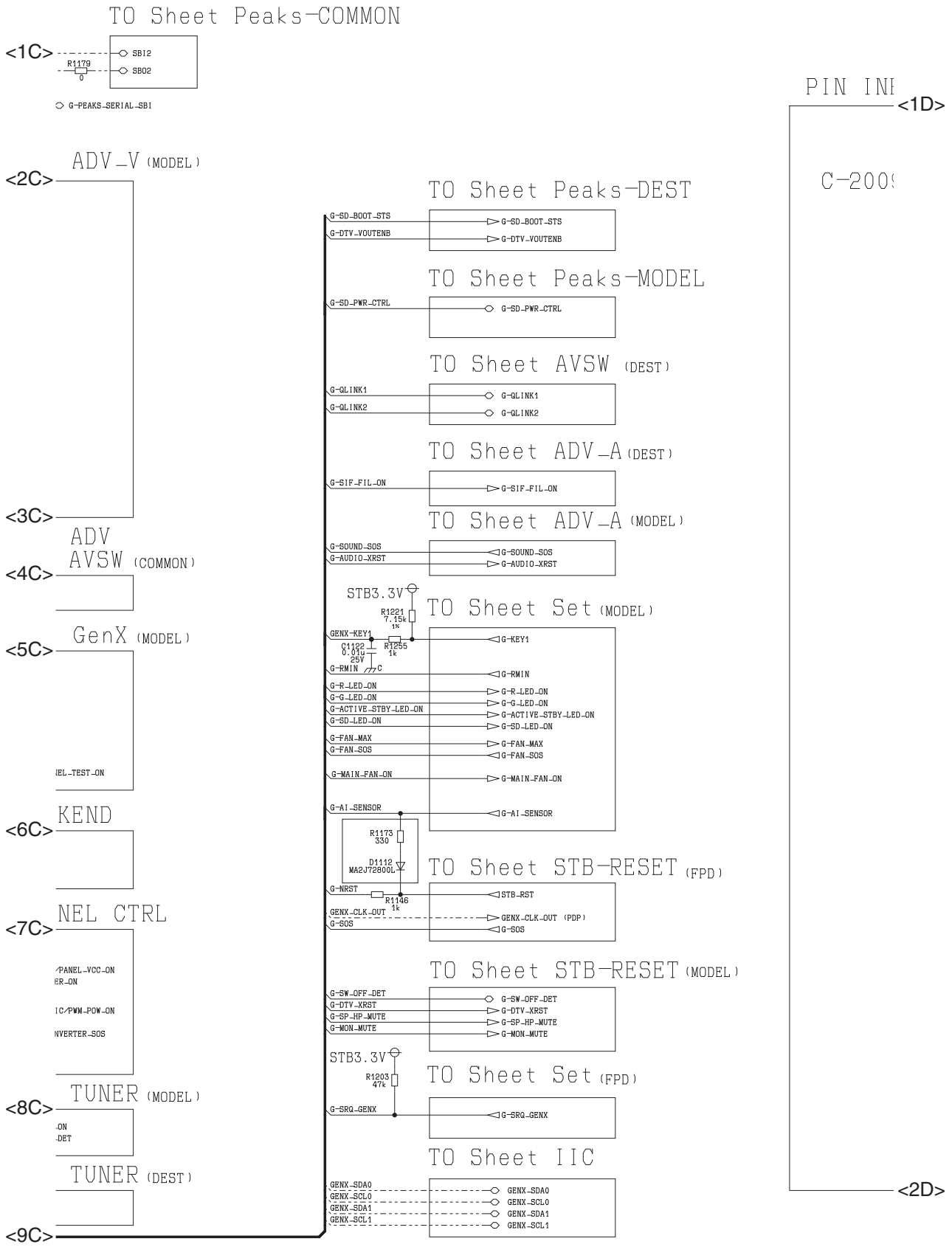
10.2.24. PLACA “A” - FOLHA 006 (2/6)



10.2.25. PLACA “A” - FOLHA 006 (3/6)



10.2.26. PLACA “A” - FOLHA 006 (4/6)



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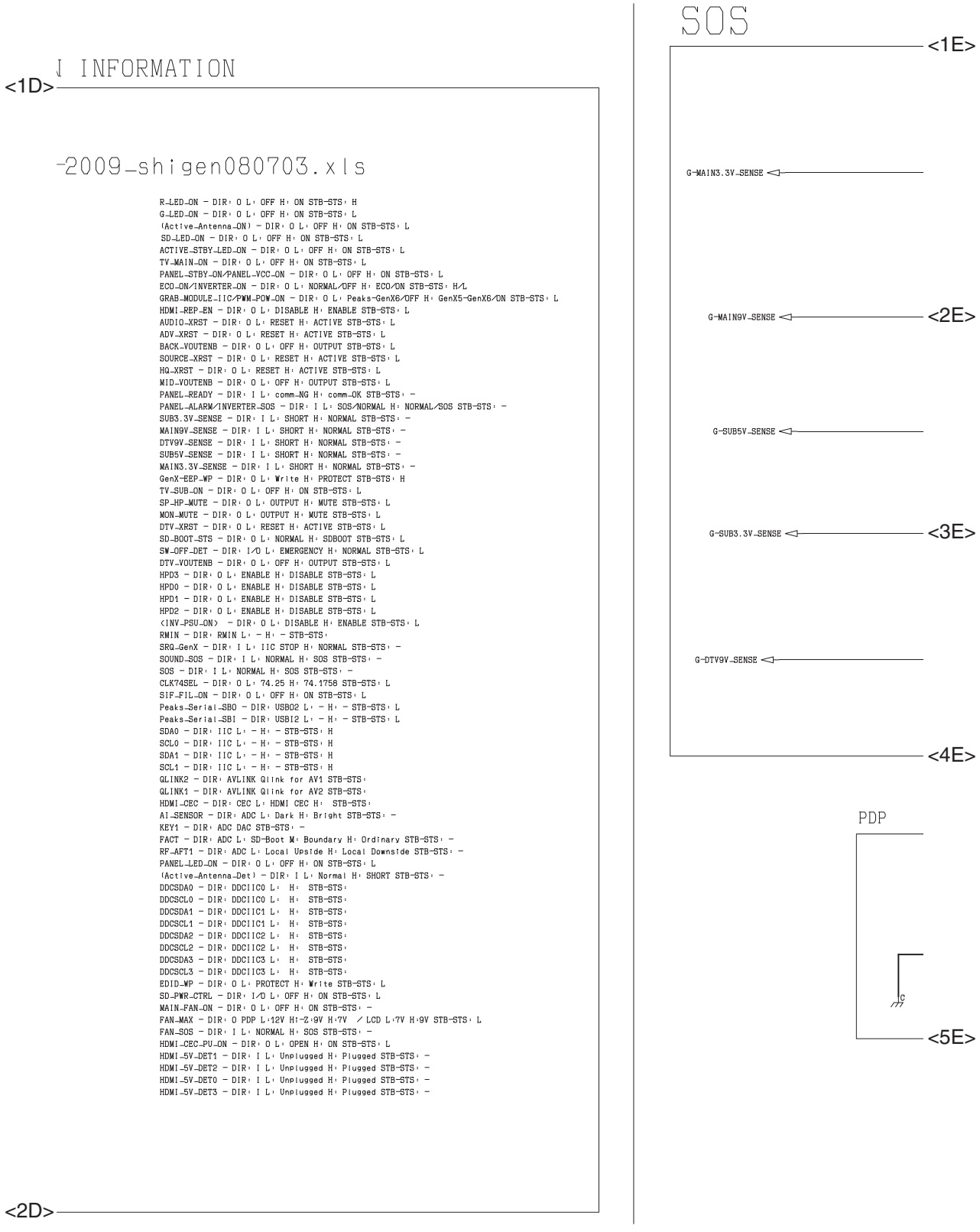
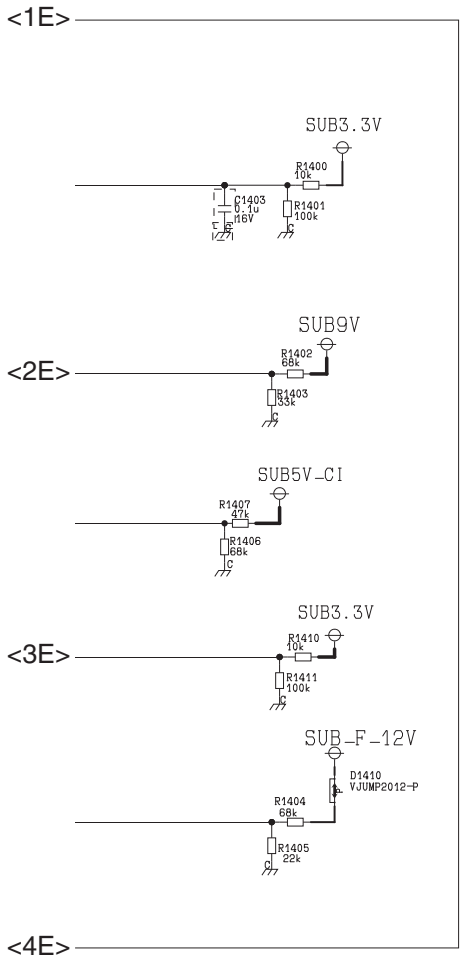
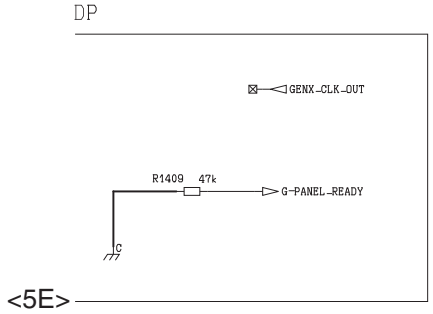


10.2.28. PLACA “A” - FOLHA 006 (6/6)





Power off reset time polarity setting

G-TV_SUB_ON — R1422 1.8k — LCD_TV_SUB_ON TV_SUB_ON for LCD-MODEL

G-TV_MAIN_ON PD on Sheet SET

G-SOUND_SOS PD on Sheet ADV_A

G-PANEL_ALARM/INVERTER_SOS PU on Sheet SET

G-PANEL_STBY_ON/PANEL_VCC_ON PD on Sheet SET

G-ECO_ON/INVERTER_ON PD on Sheet SET

G-GRAB_MODULE_IIC/PWM_POW_ON PD on Sheet LVDS

G-BACK_VOUTENB NON USE

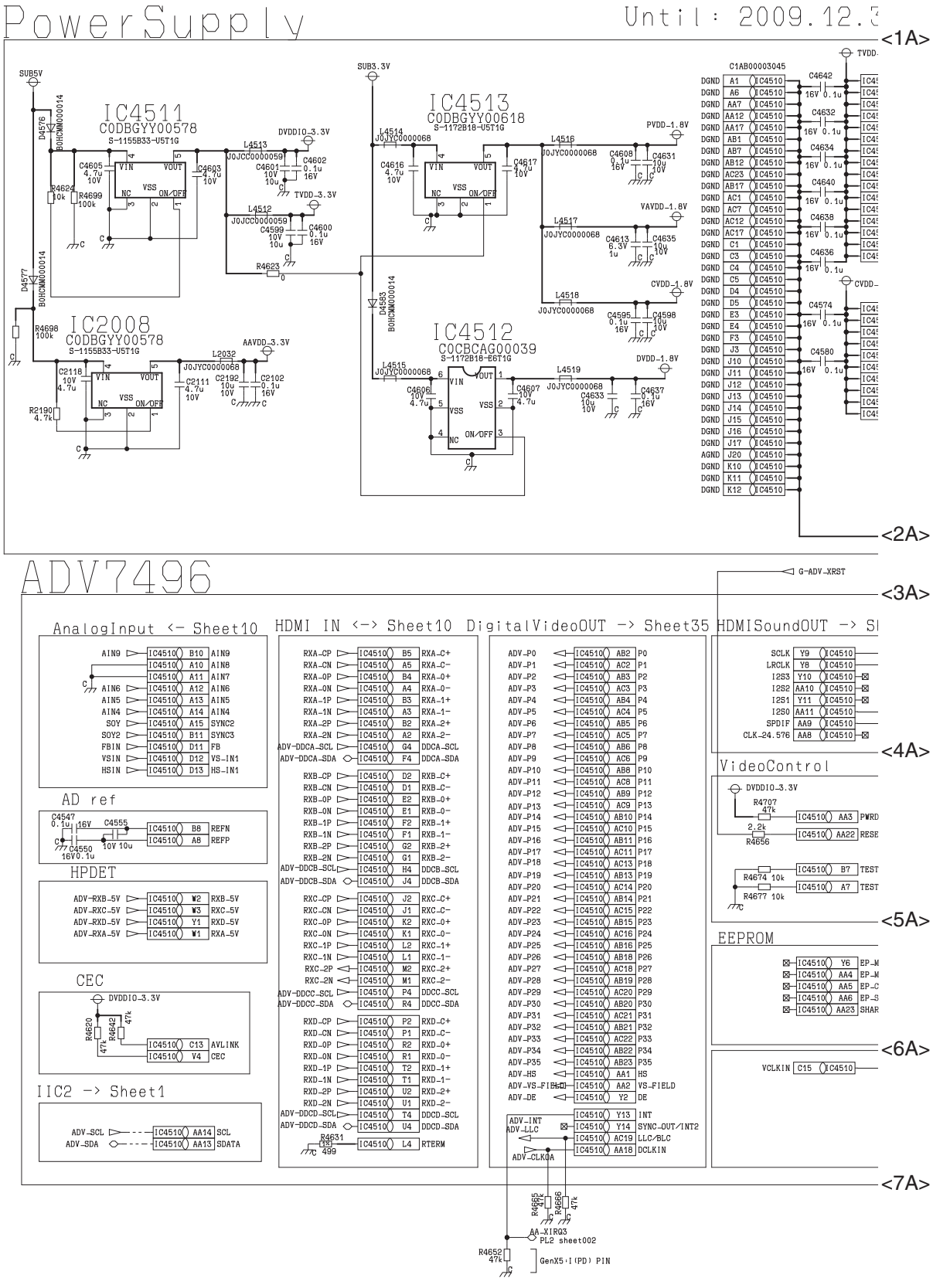
G-HQ_XRST NON USE

G-MID_VOUTENB NON USE

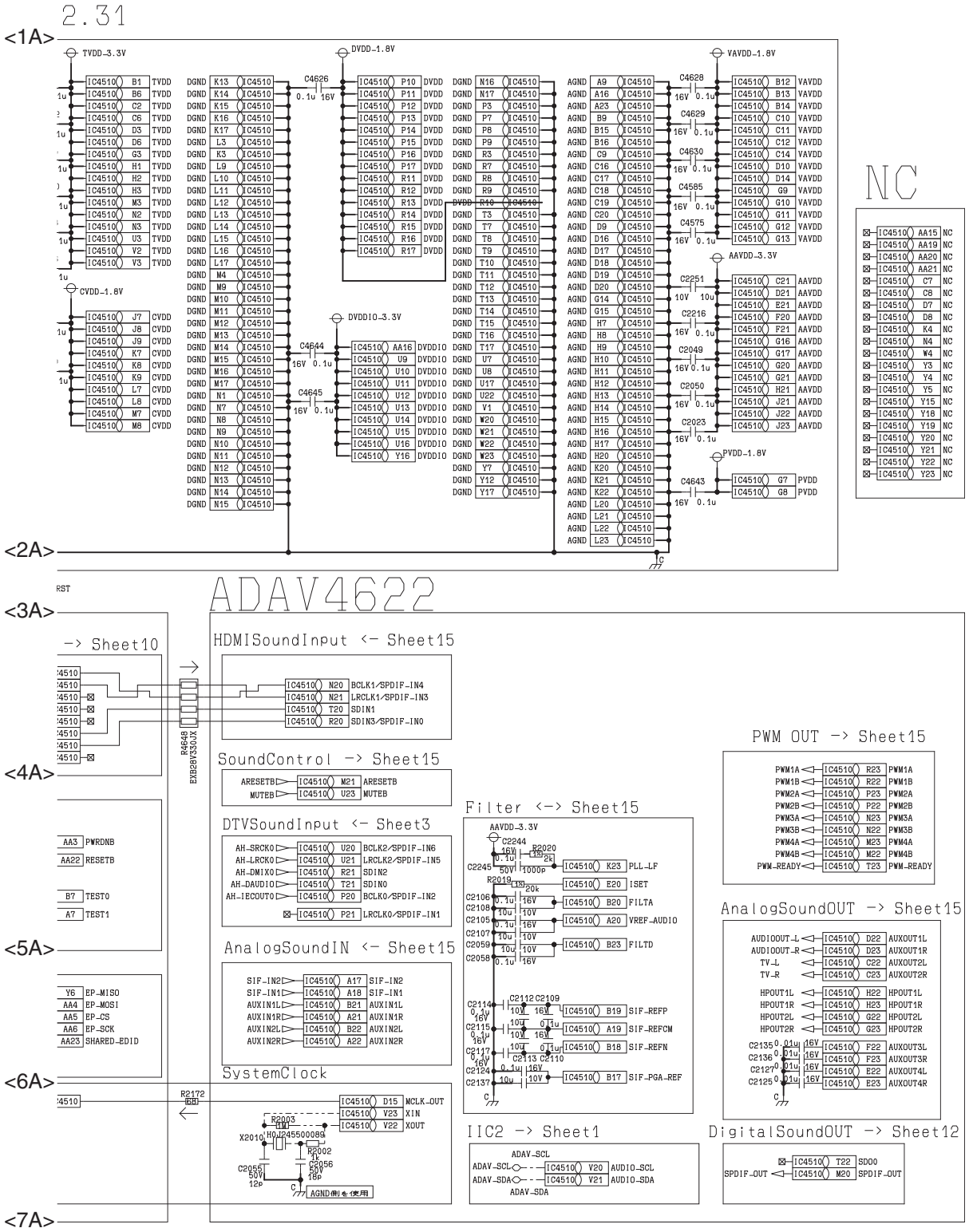
G-SOURCE_XRST/PANEL_TEST_ON PD on Sheet LVDS

G-DTV_VOUTENB PD on Sheet Peaks-DEST

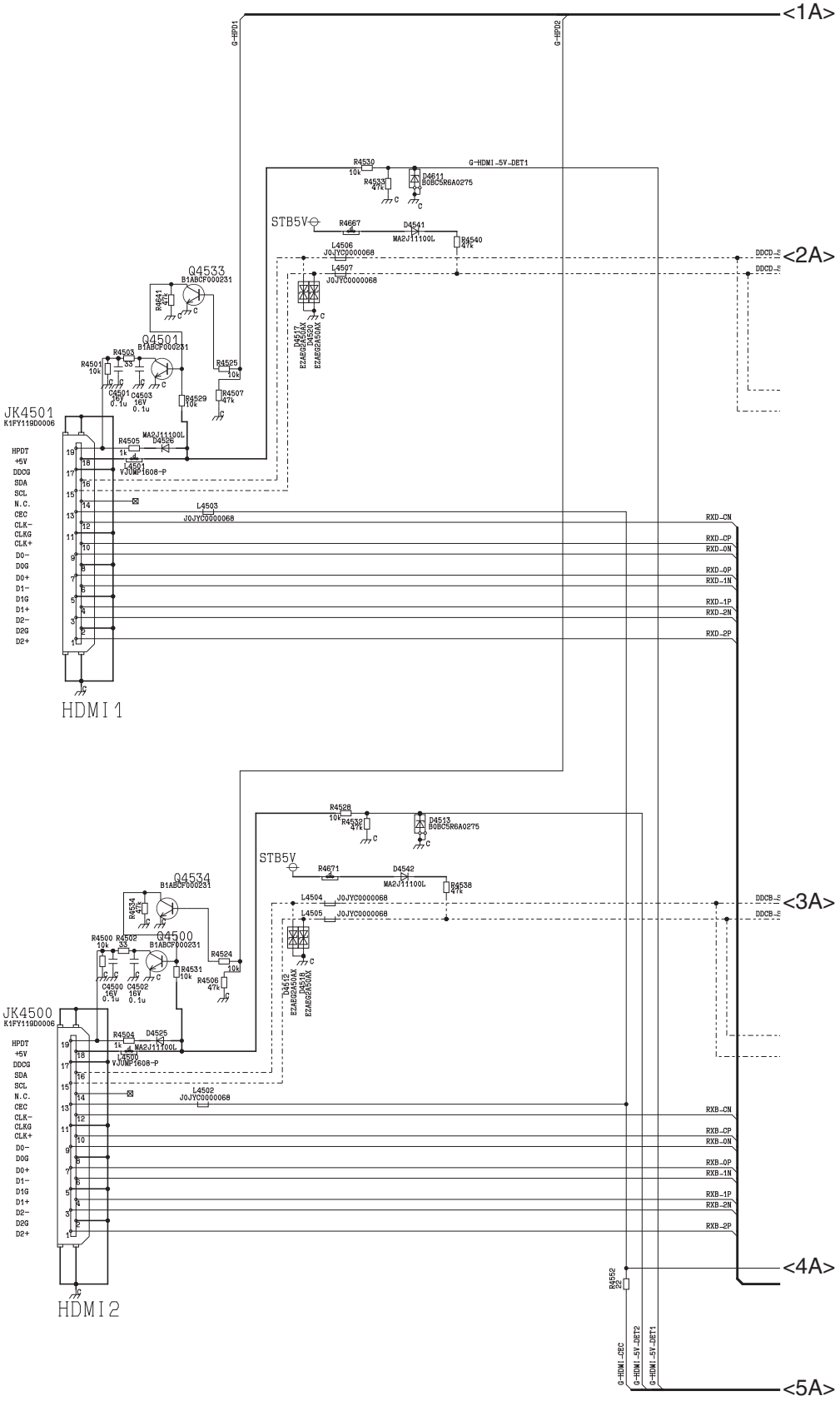
10.2.29. PLACA “A” - FOLHA 007 (1/2)



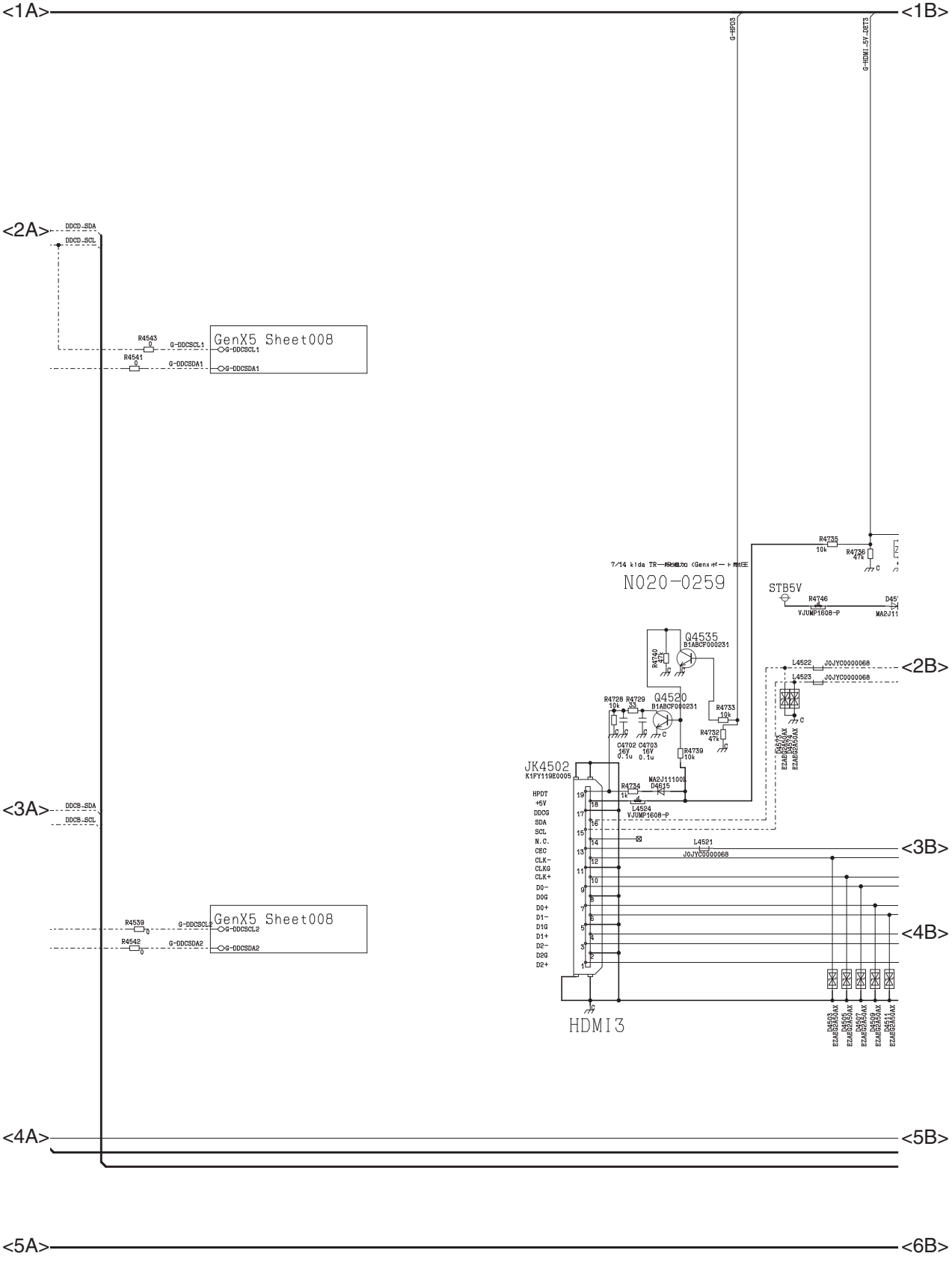
10.2.30. PLACA “A” - FOLHA 007 (2/2)



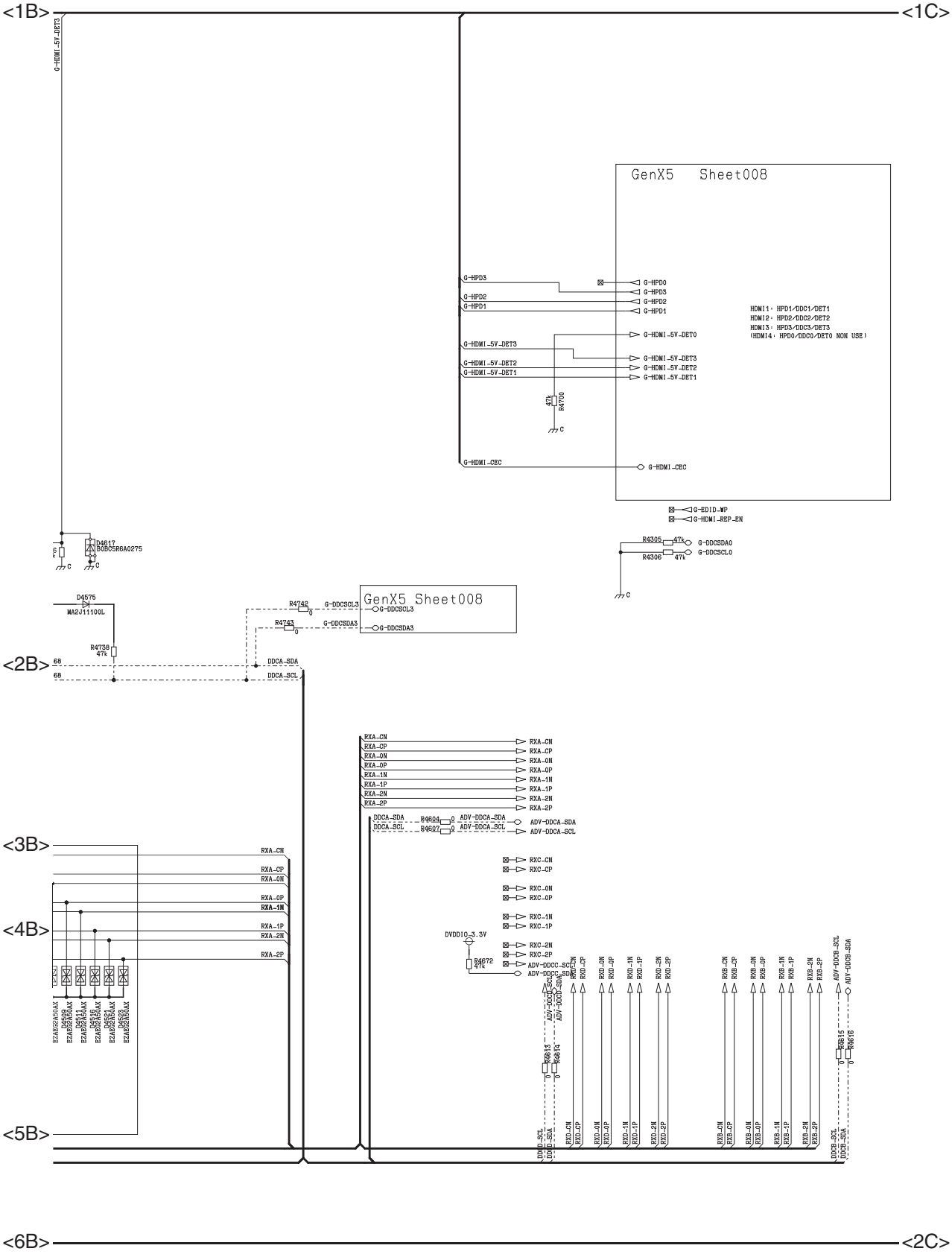
10.2.31. PLACA “A” - FOLHA 008 (1/6)



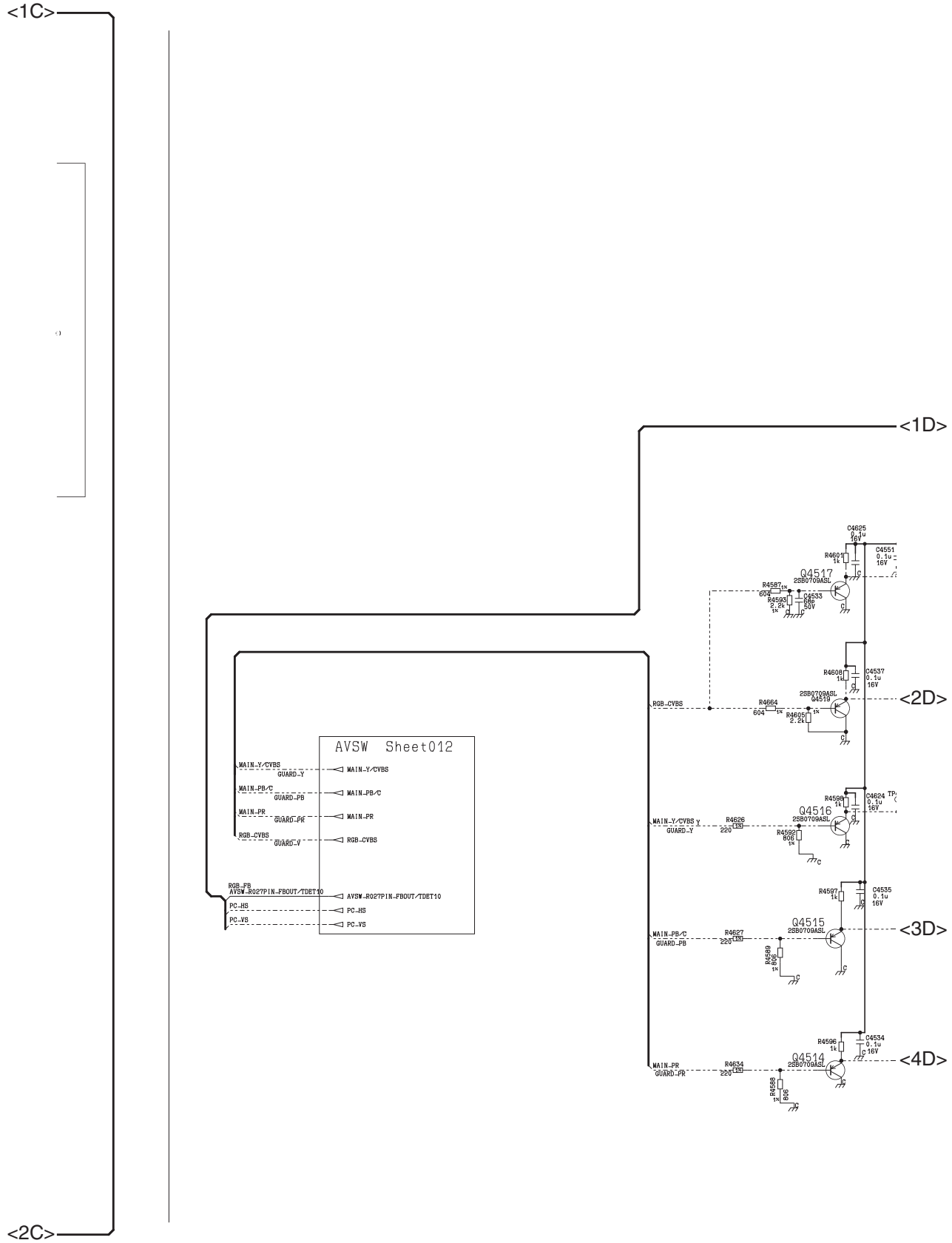
10.2.32. PLACA “A” - FOLHA 008 (2/6)



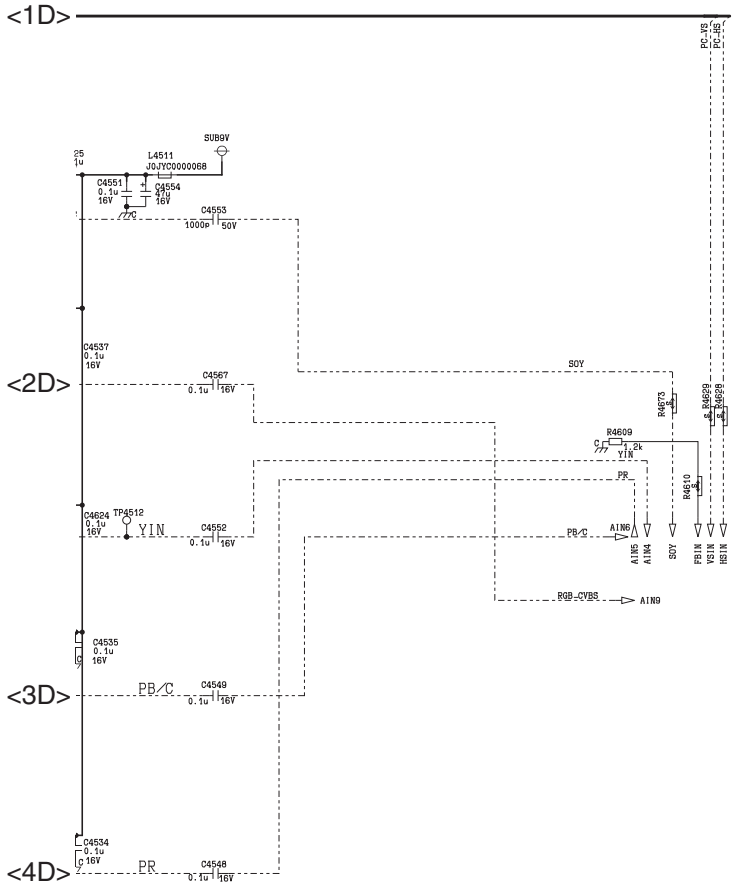
10.2.33. PLACA “A” - FOLHA 008 (3/6)



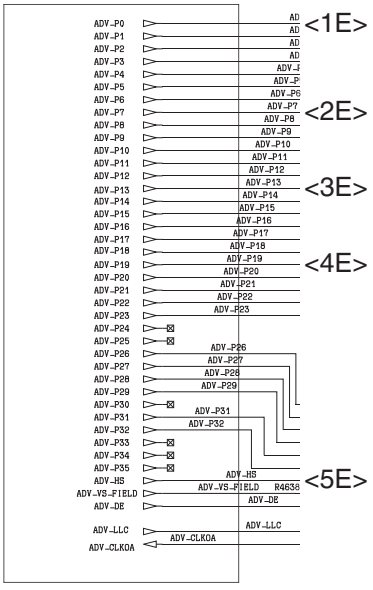
10.2.34. PLACA “A” - FOLHA 008 (4/6)



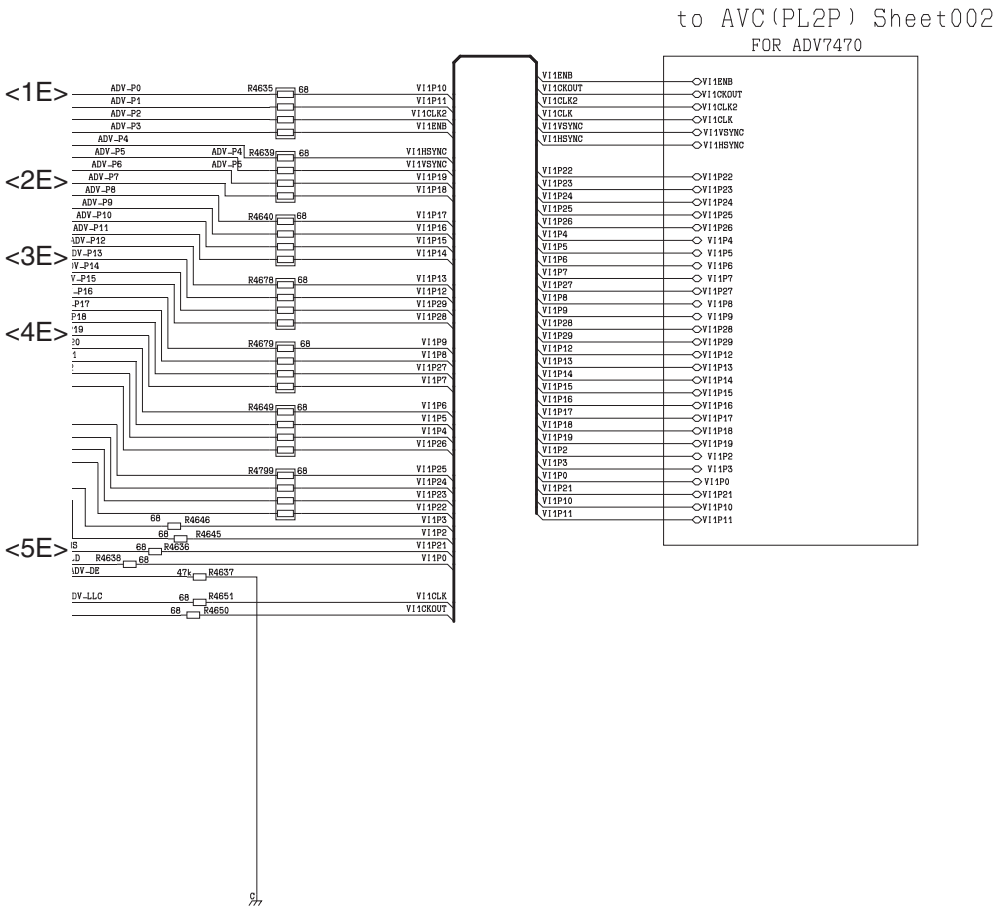
10.2.35. PLACA “A” - FOLHA 008 (5/6)



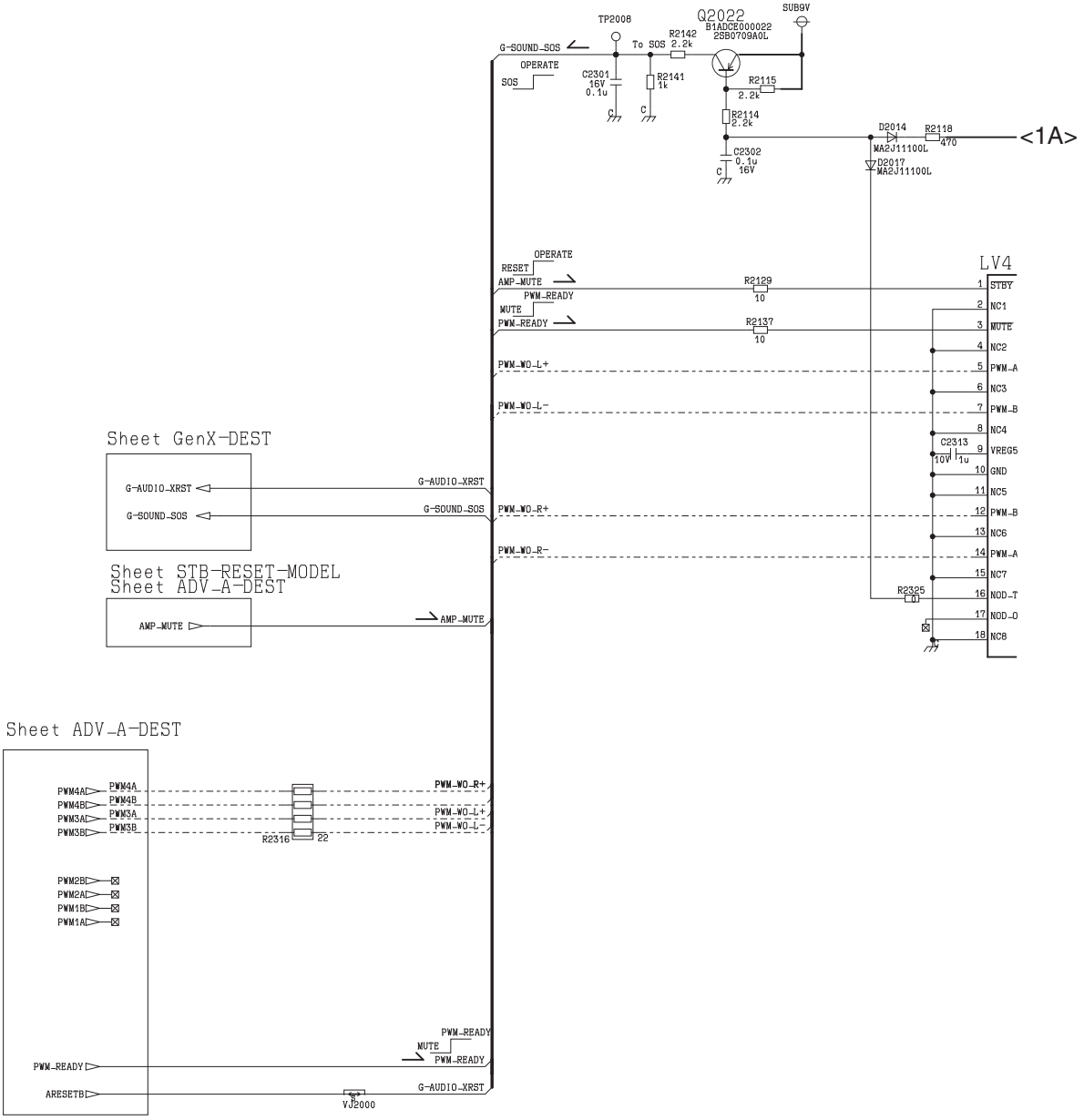
From ADV747* Sheet010



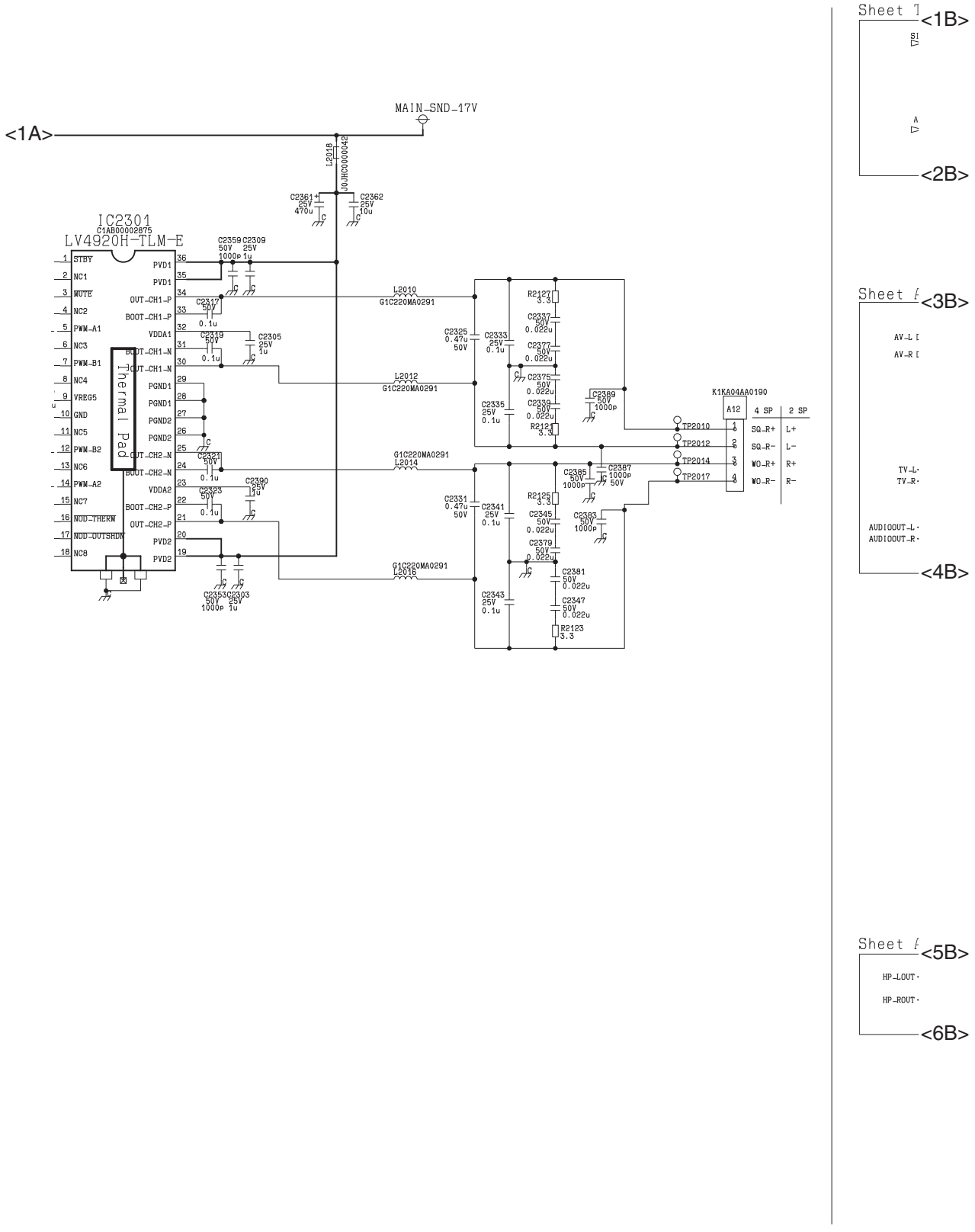
10.2.36. PLACA “A” - FOLHA 008 (6/6)



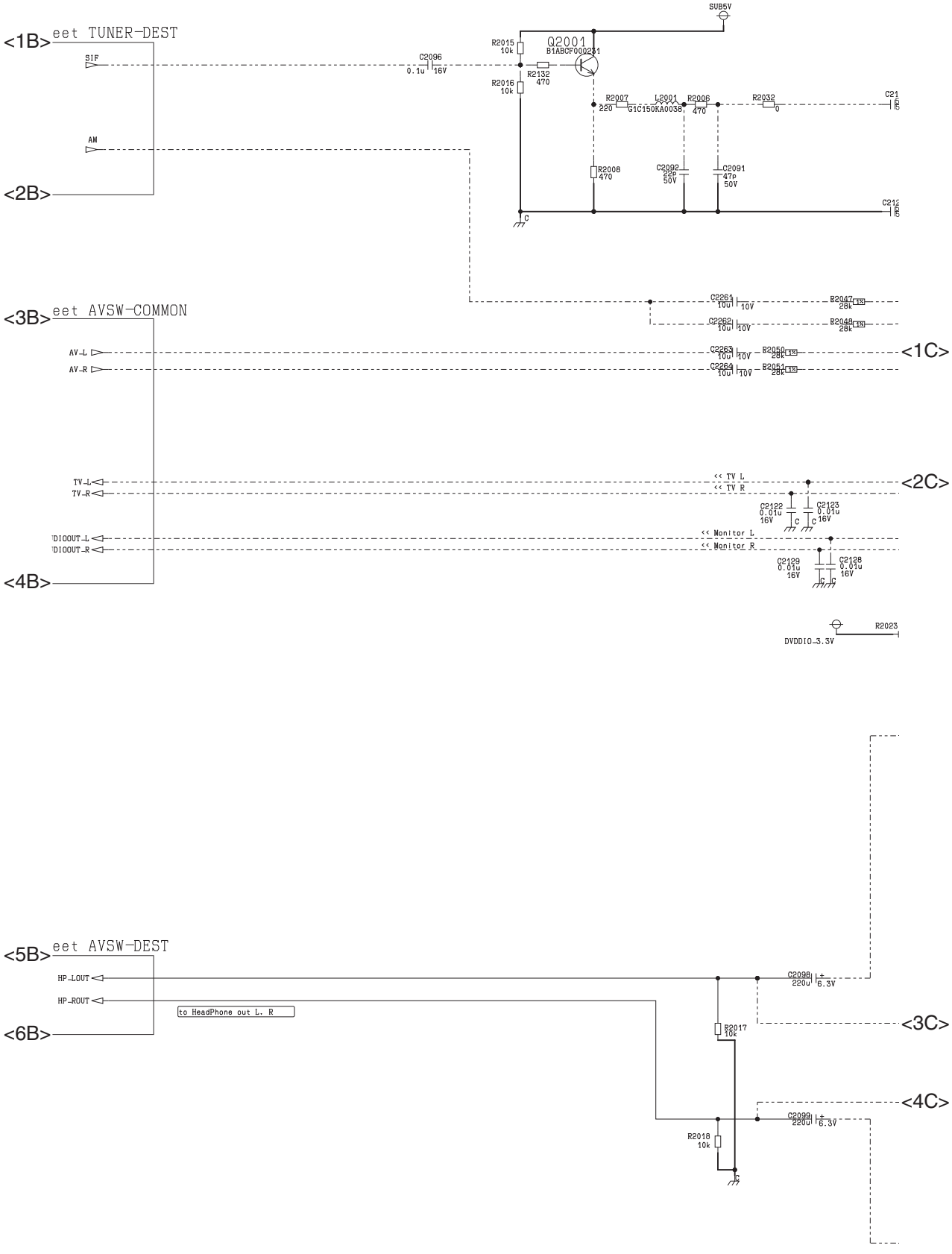
10.2.37. PLACA “A” - FOLHA 009 (1/4)



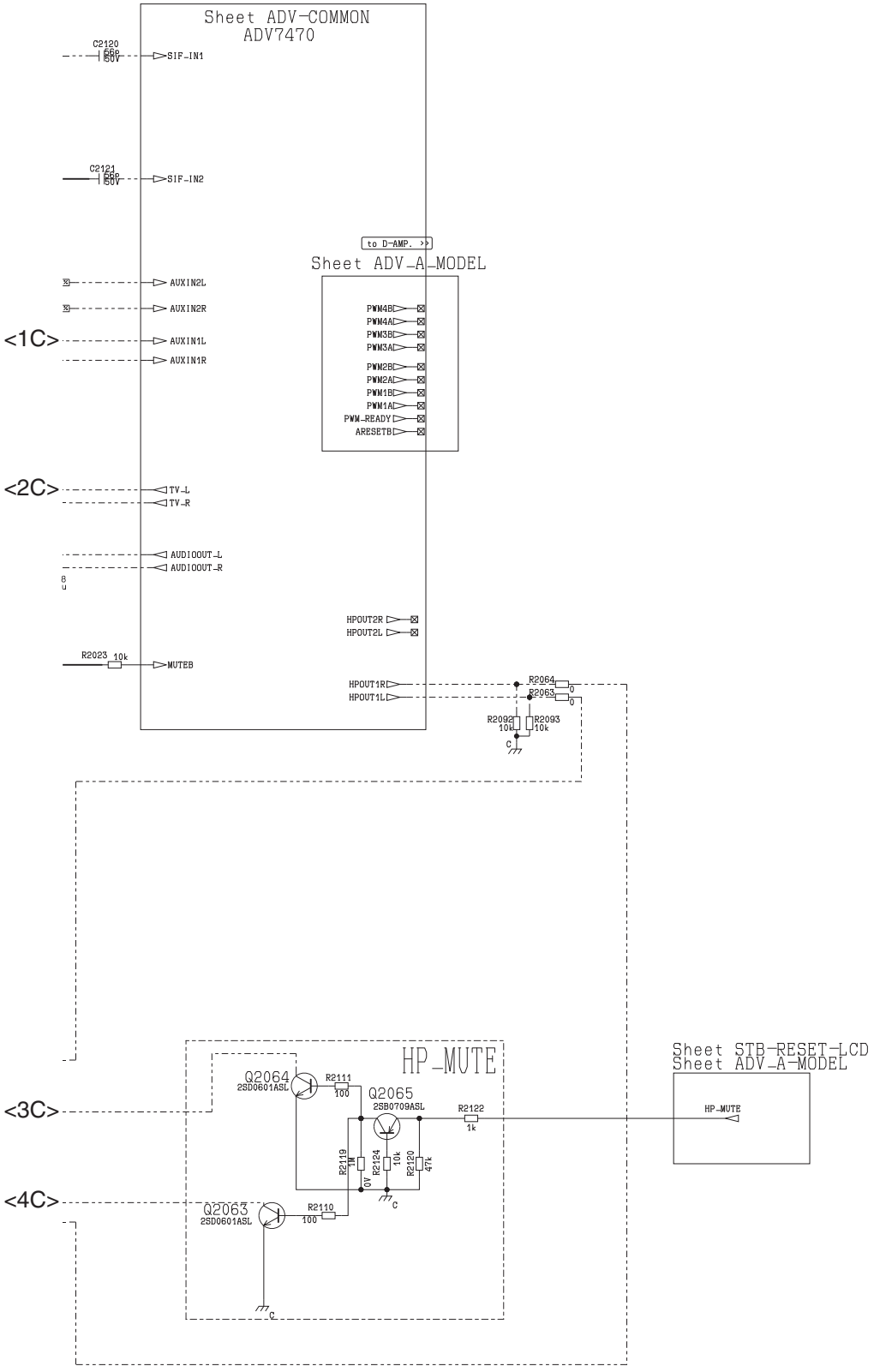
10.2.38. PLACA “A” - FOLHA 009 (2/4)



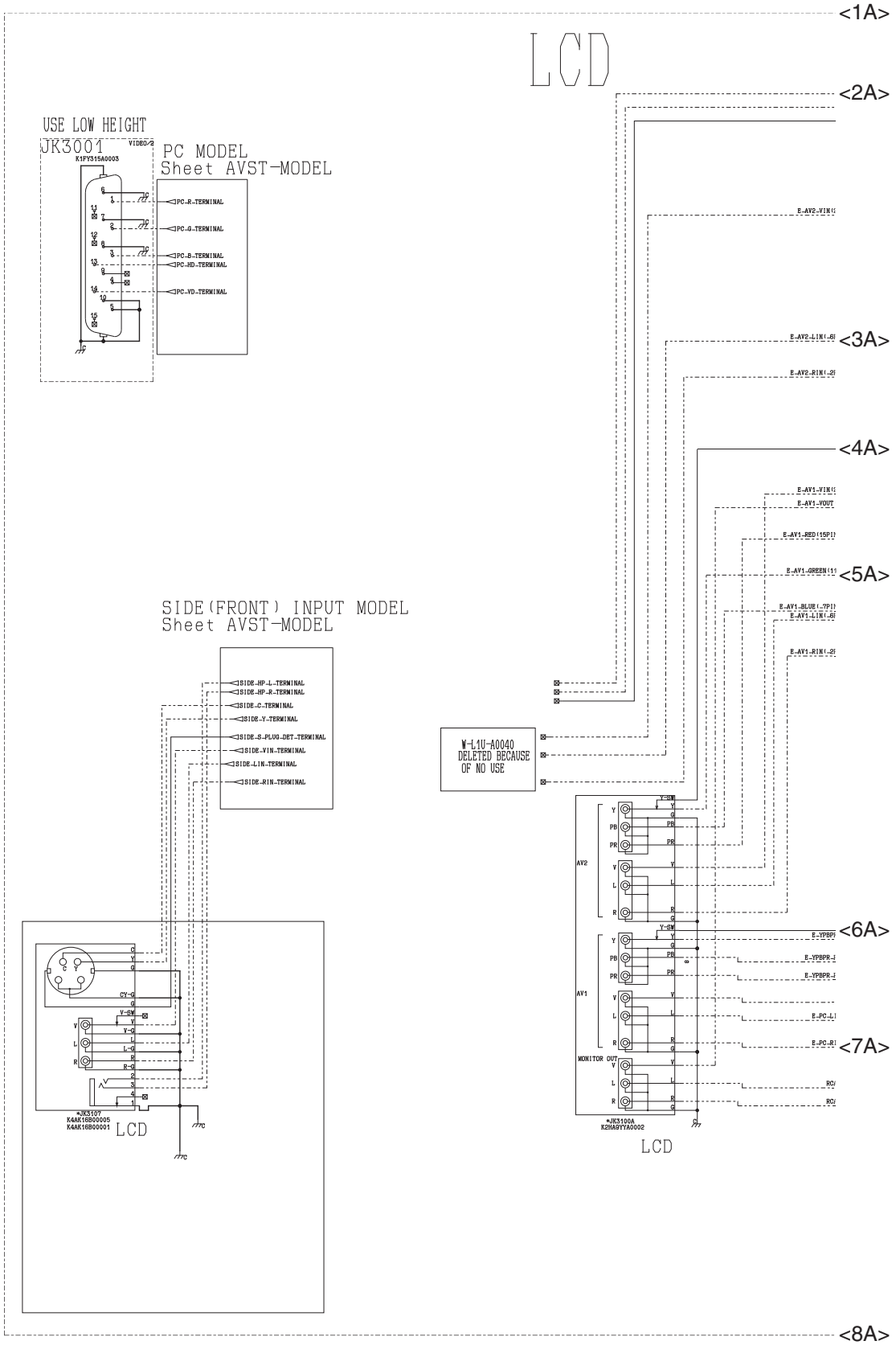
10.2.39. PLACA “A” - FOLHA 009 (3/4)



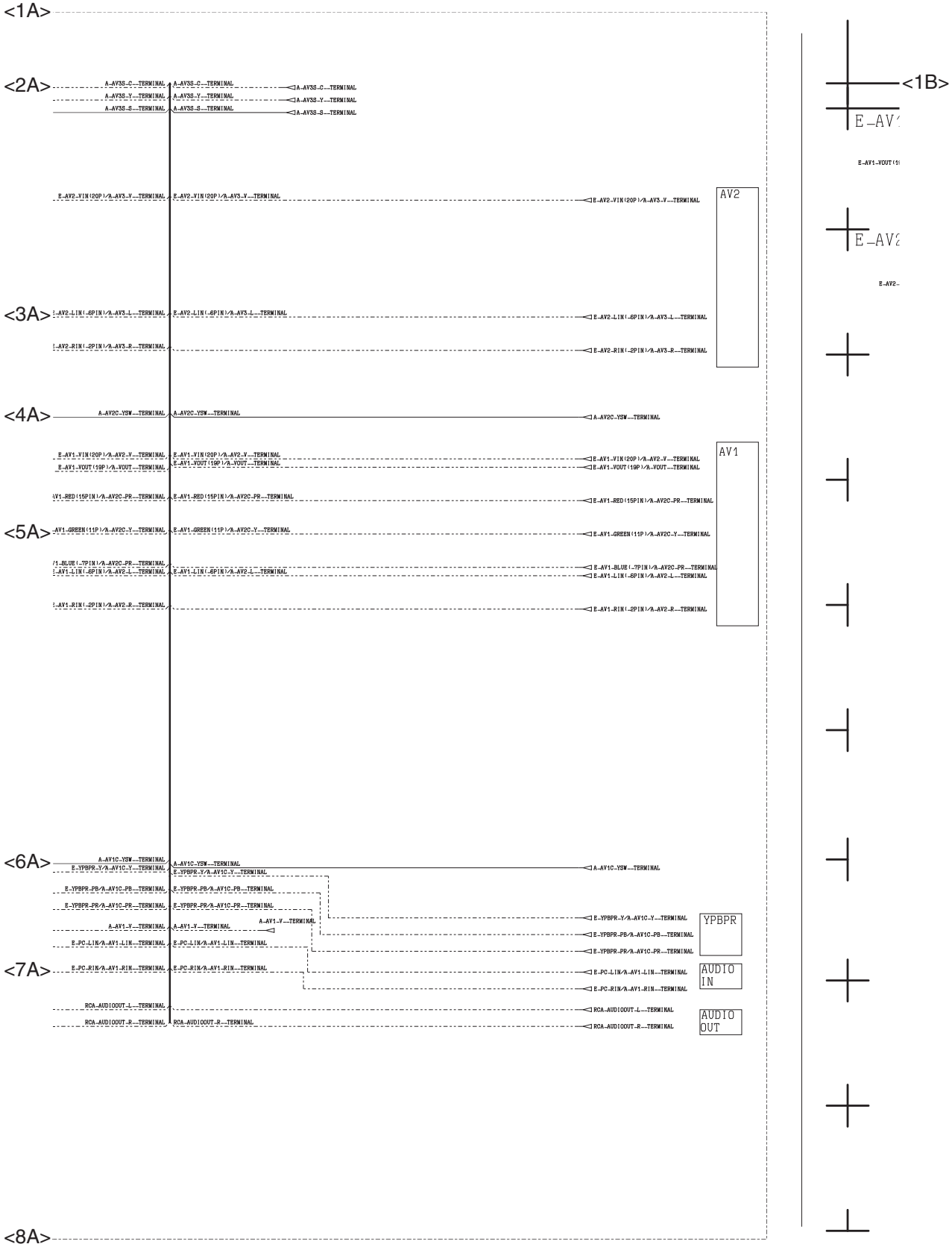
10.2.40. PLACA “A” - FOLHA 009 (4/4)



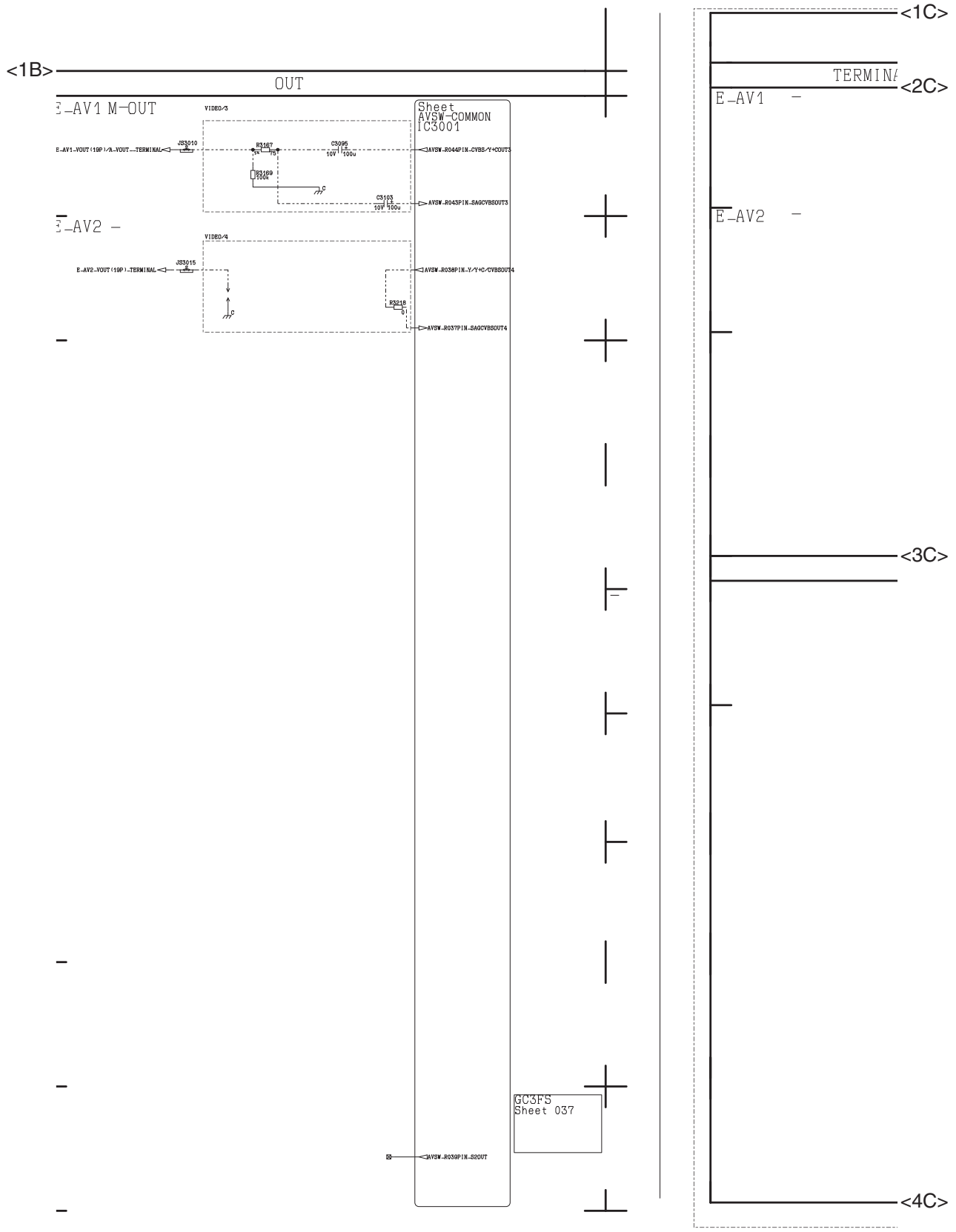
10.2.41. PLACA “A” - FOLHA 010 (1/9)



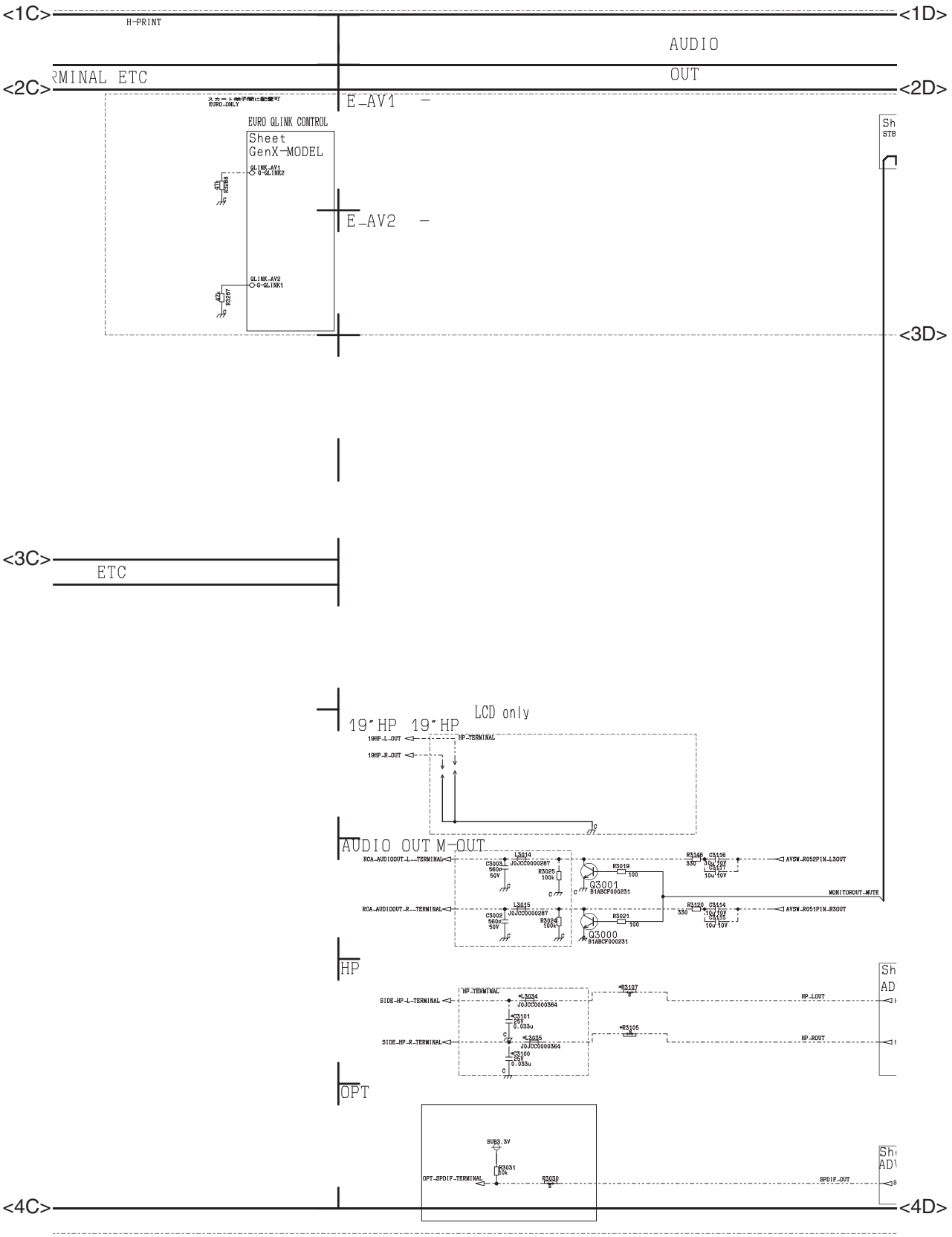
10.2.42. PLACA “A” - FOLHA 010 (2/9)



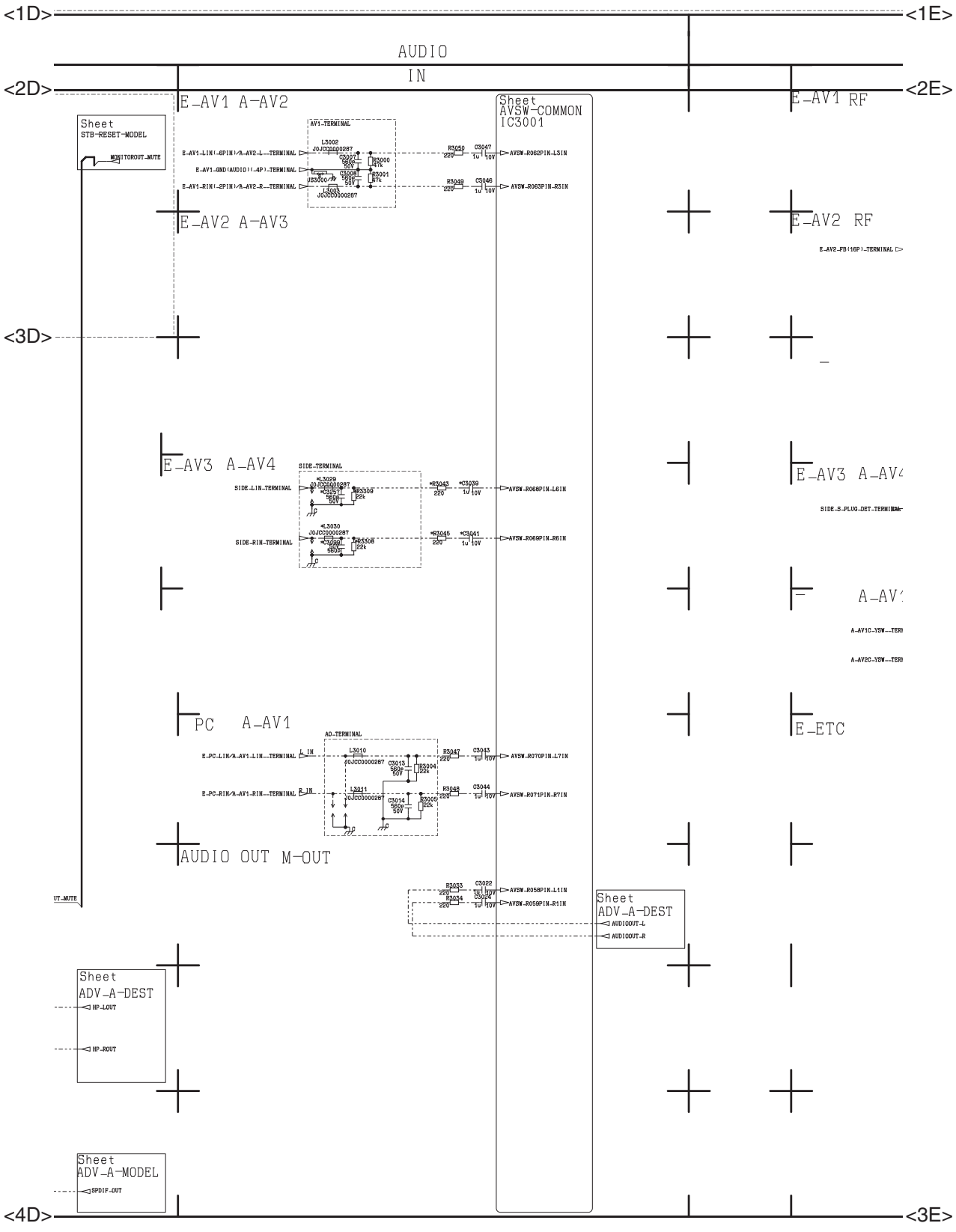
10.2.43. PLACA “A” - FOLHA 010 (3/9)



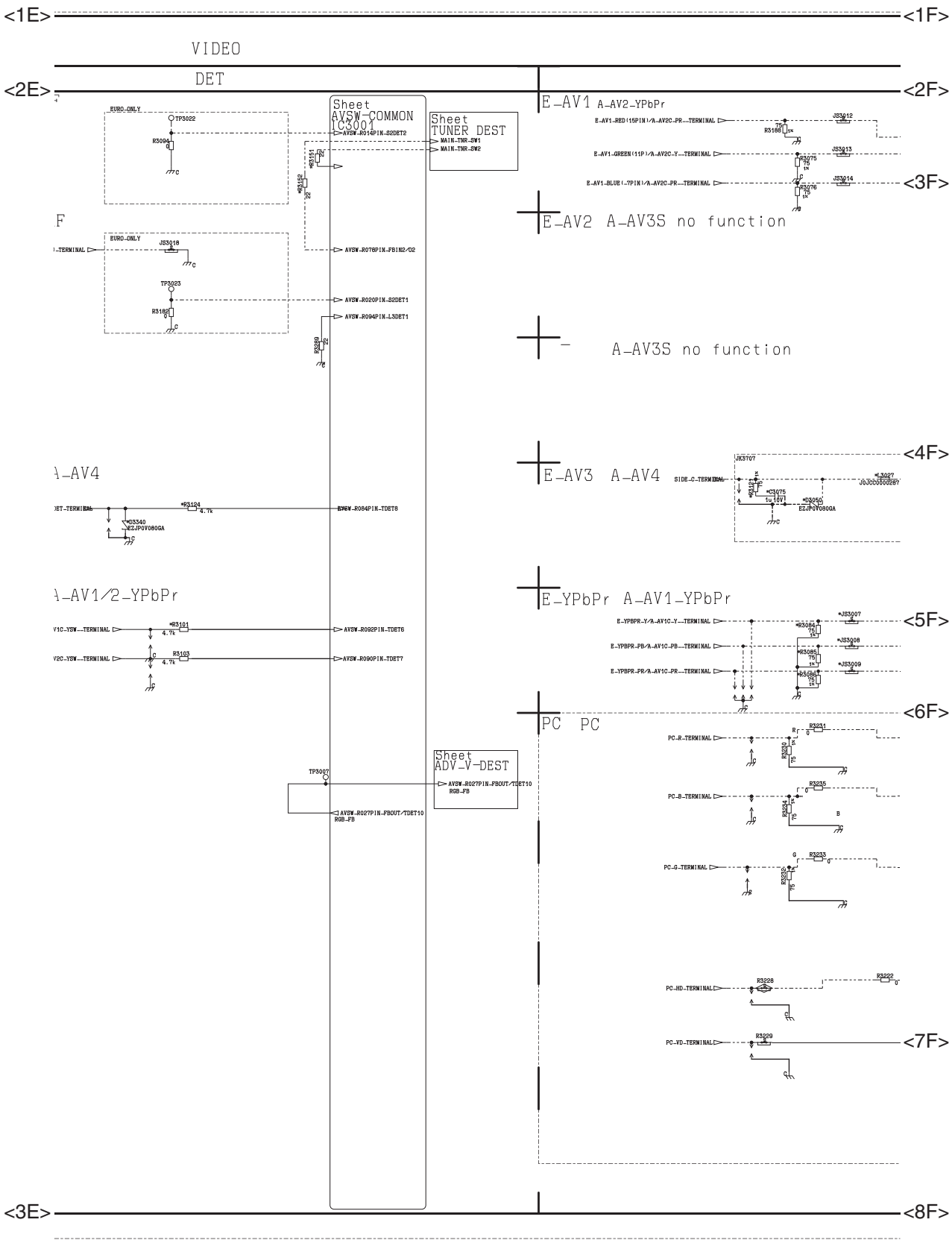
10.2.44. PLACA “A” - FOLHA 010 (4/9)



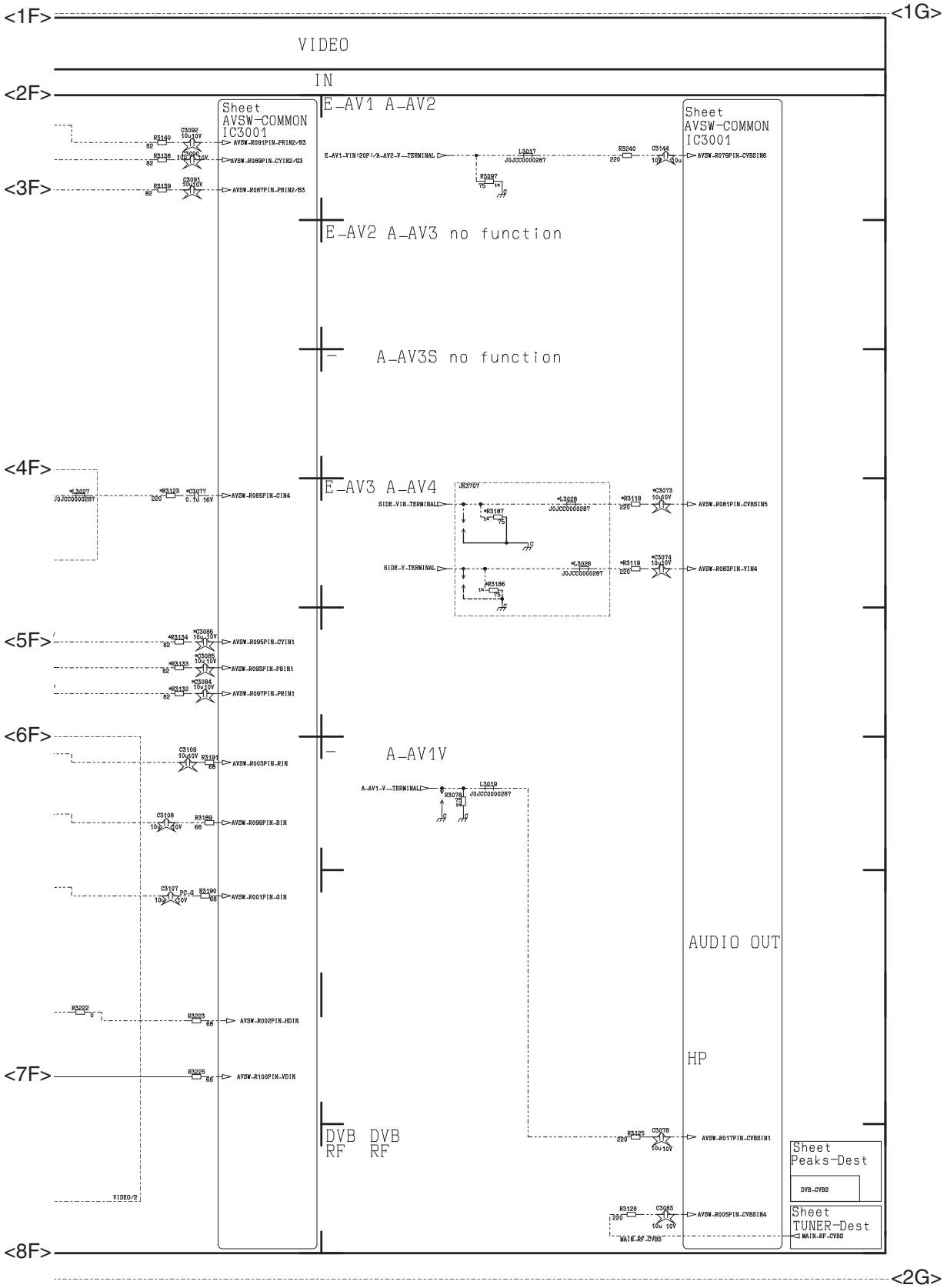
10.2.45. PLACA “A” - FOLHA 010 (5/9)



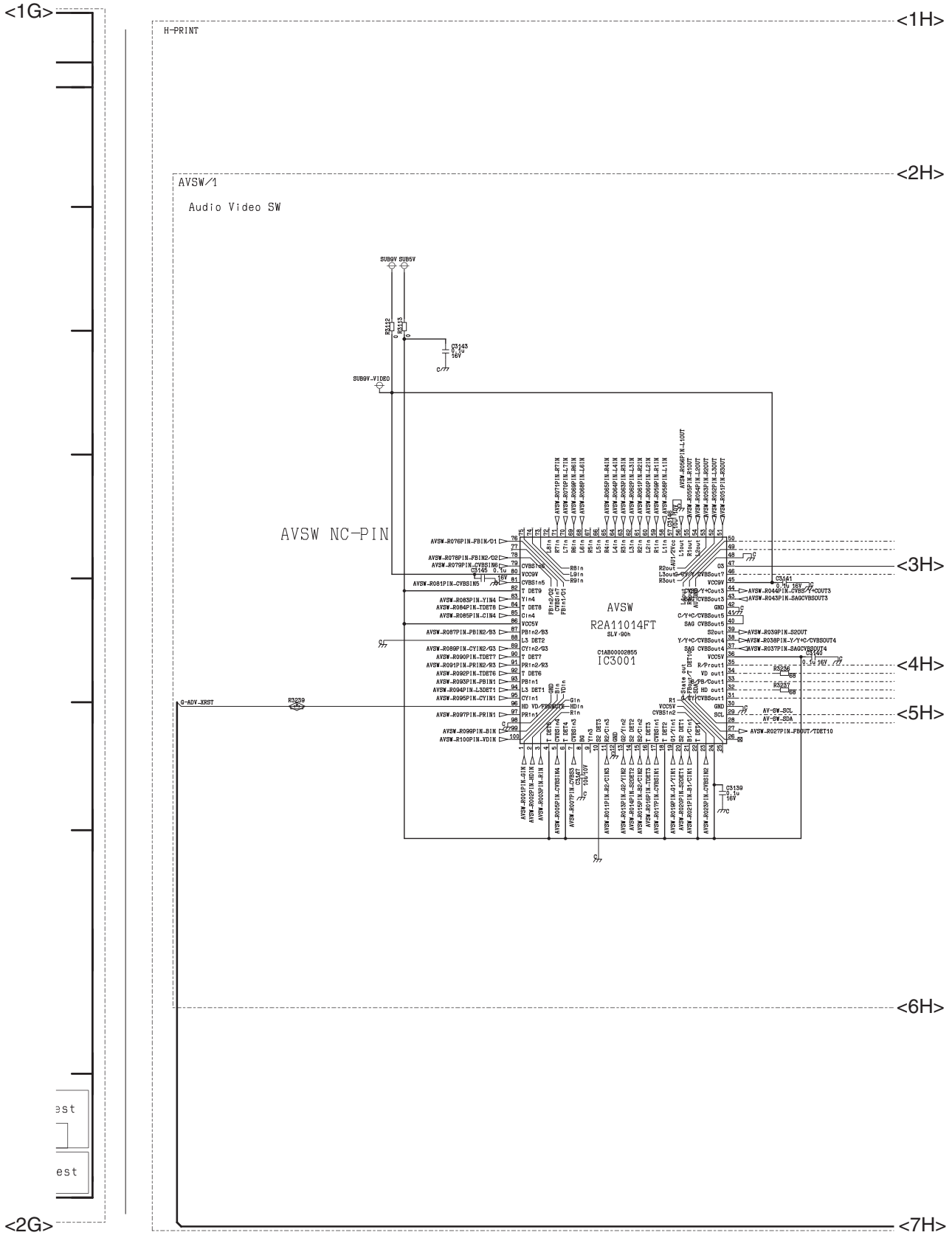
10.2.46. PLACA “A” - FOLHA 010 (6/9)



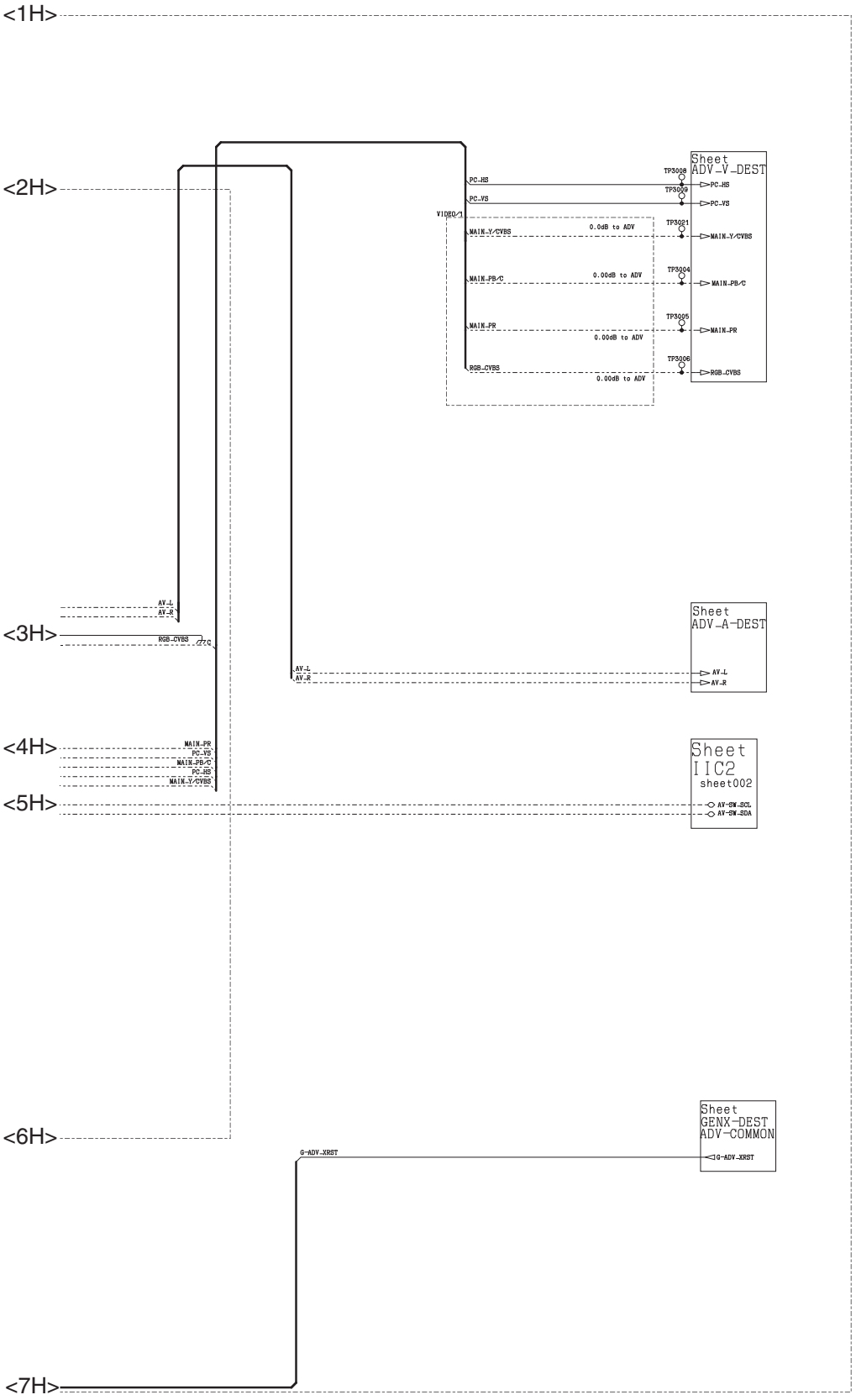
10.2.47. PLACA “A” - FOLHA 010 (7/9)



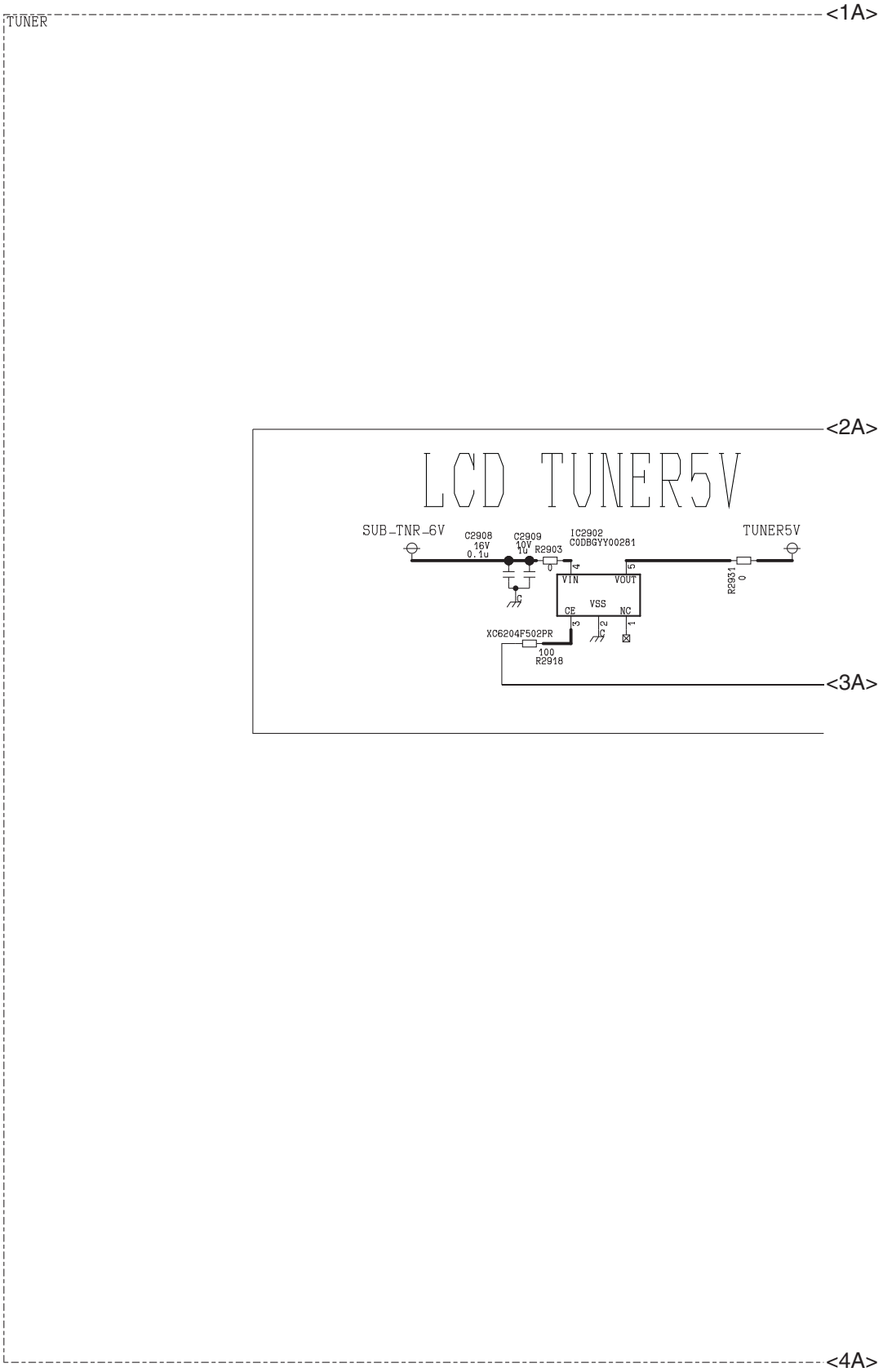
10.2.48. PLACA “A” - FOLHA 010 (8/9)



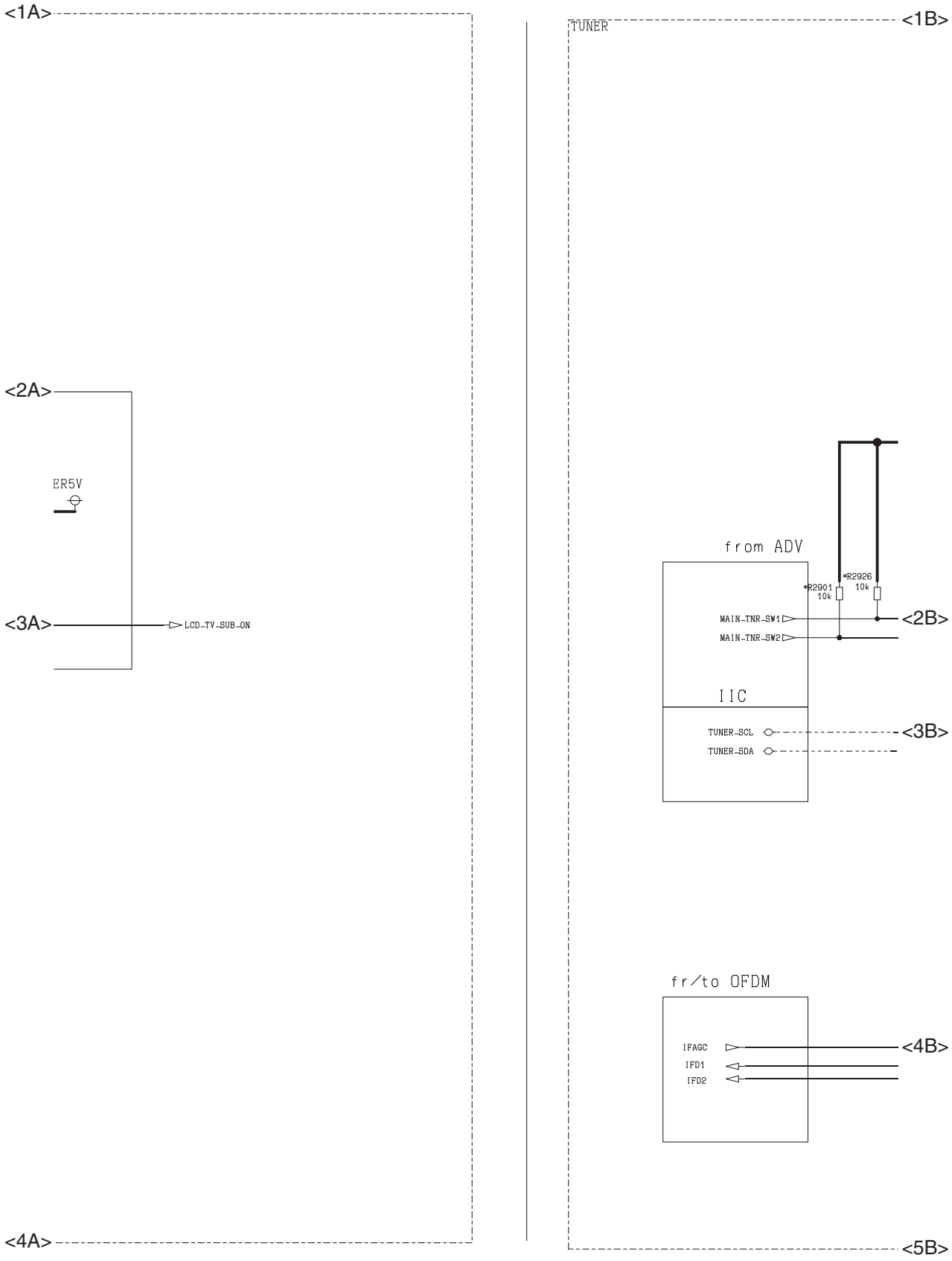
10.2.49. PLACA “A” - FOLHA 010 (9/9)



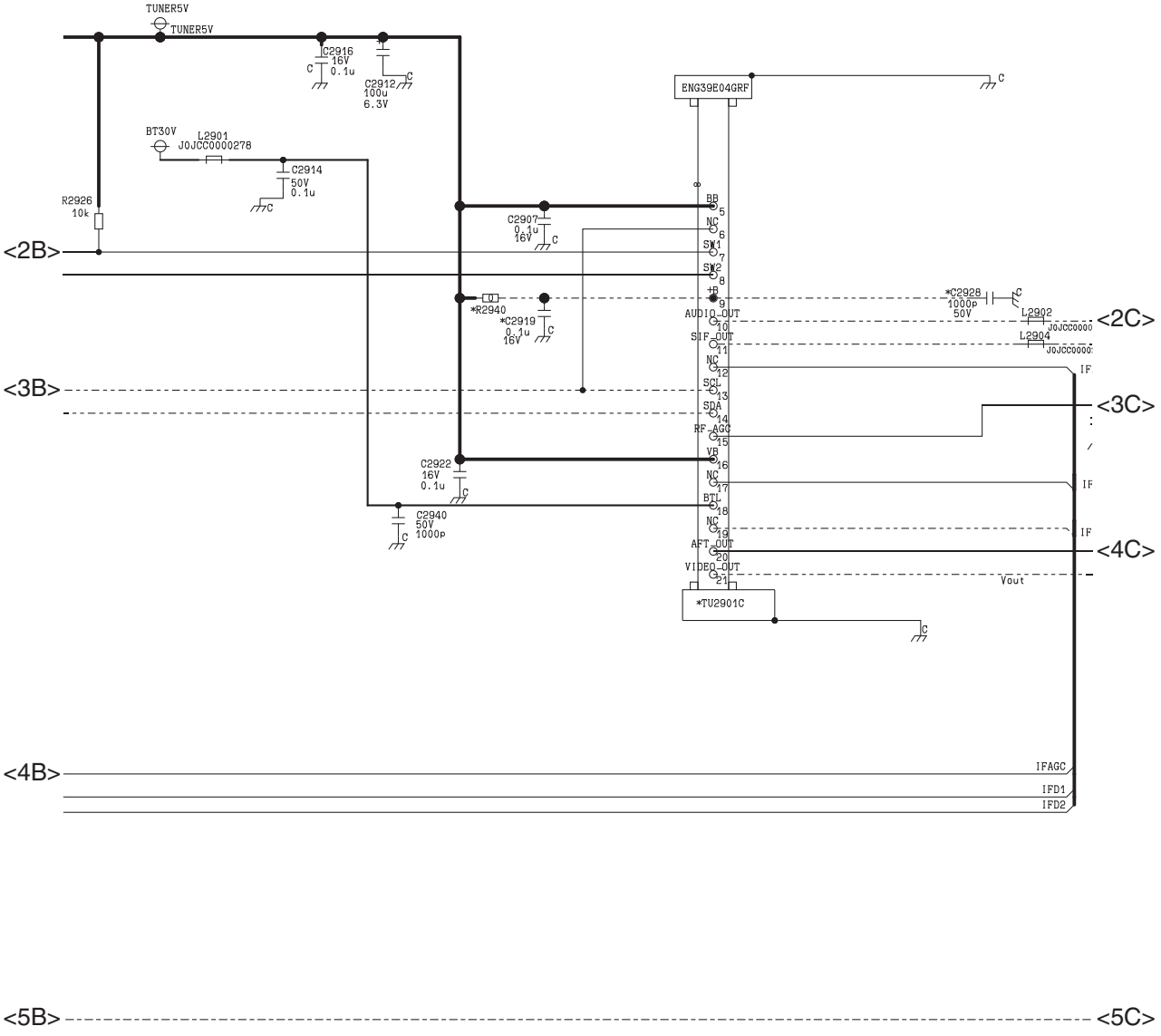
10.2.50. PLACA “A” - FOLHA 011 (1/4)



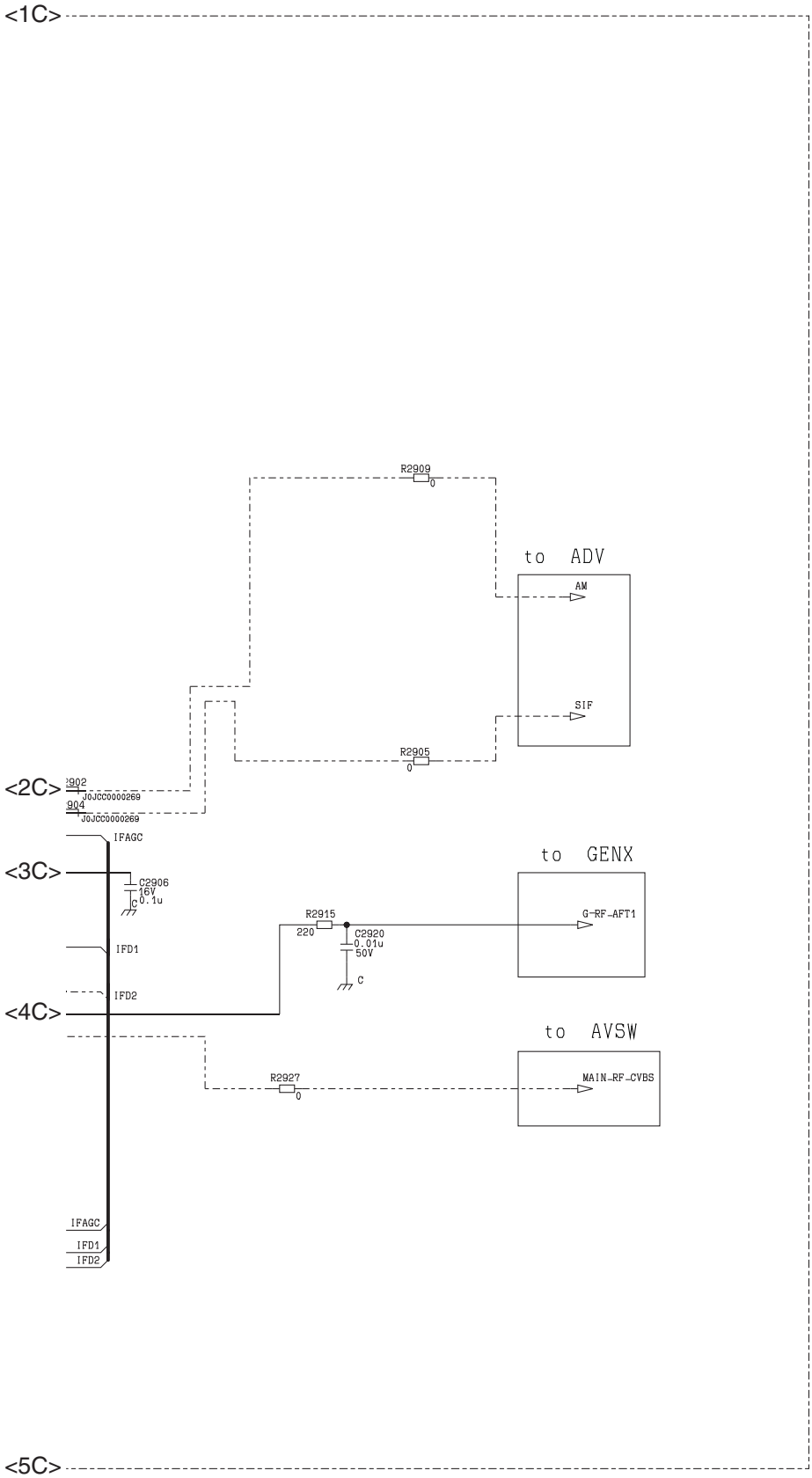
10.2.51. PLACA “A” - FOLHA 011 (2/4)



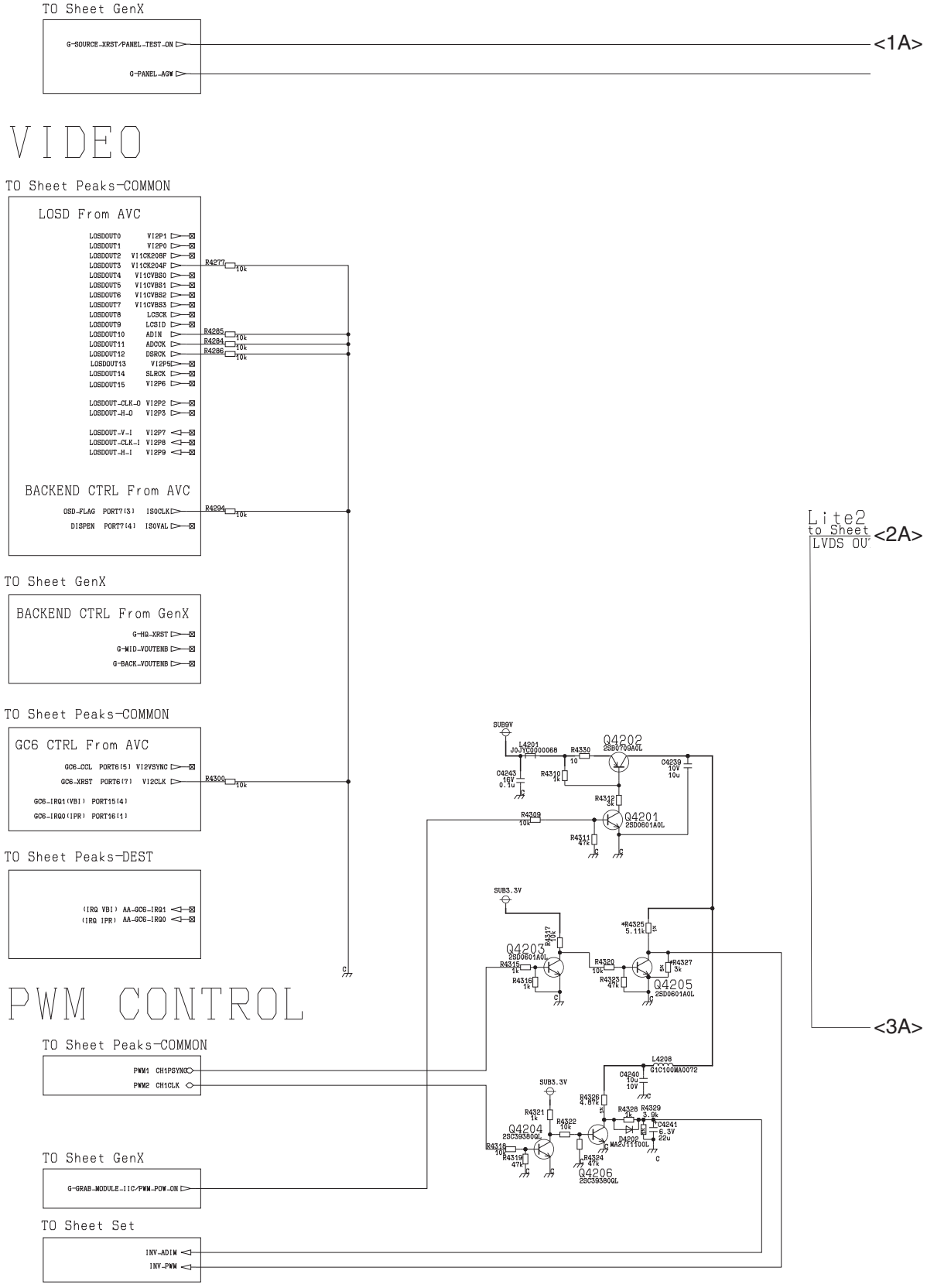
10.2.52. PLACA “A” - FOLHA 011 (3/4)



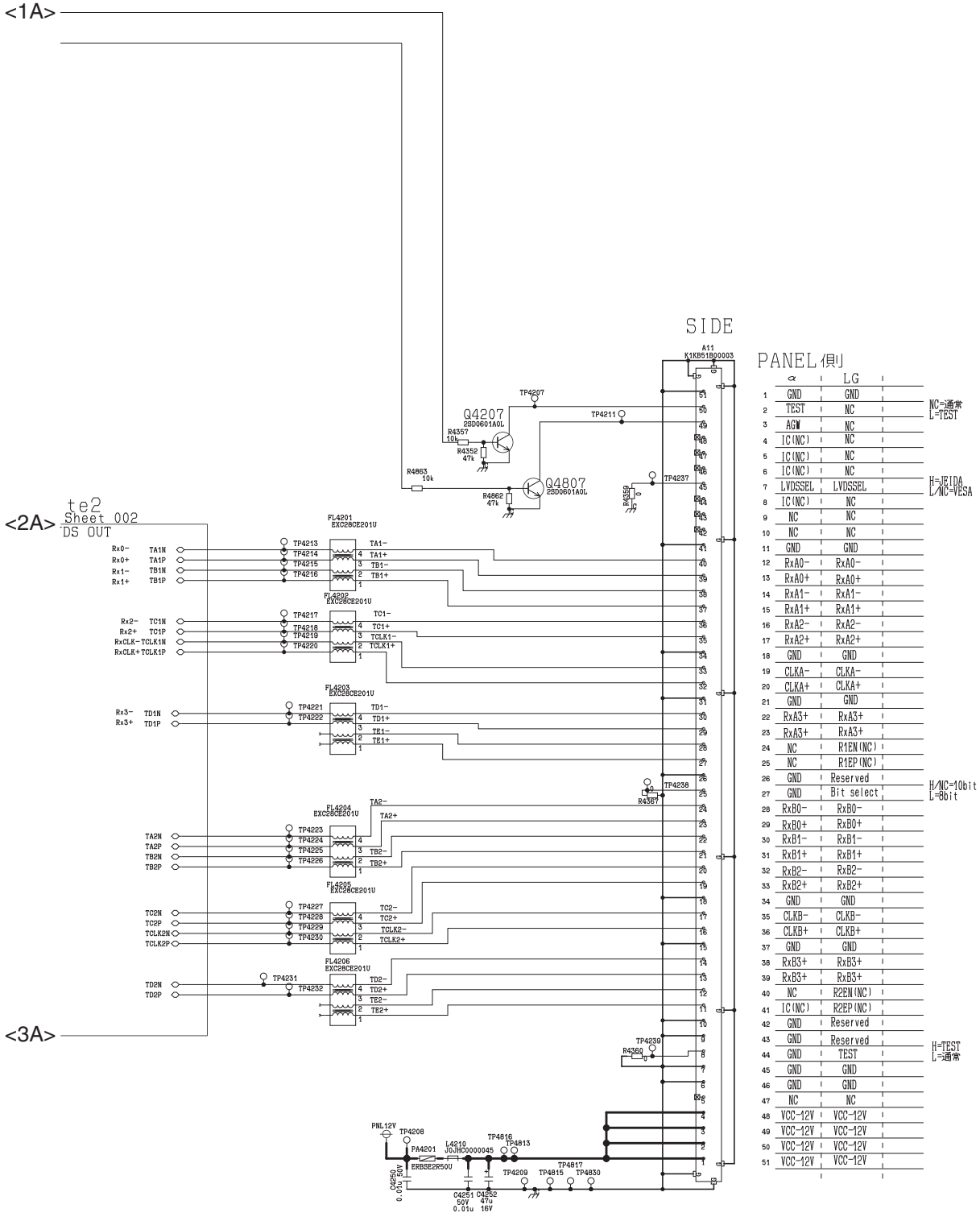
10.2.53. PLACA “A” - FOLHA 011 (4/4)



10.2.54. PLACA “A” - FOLHA 012 (1/2)

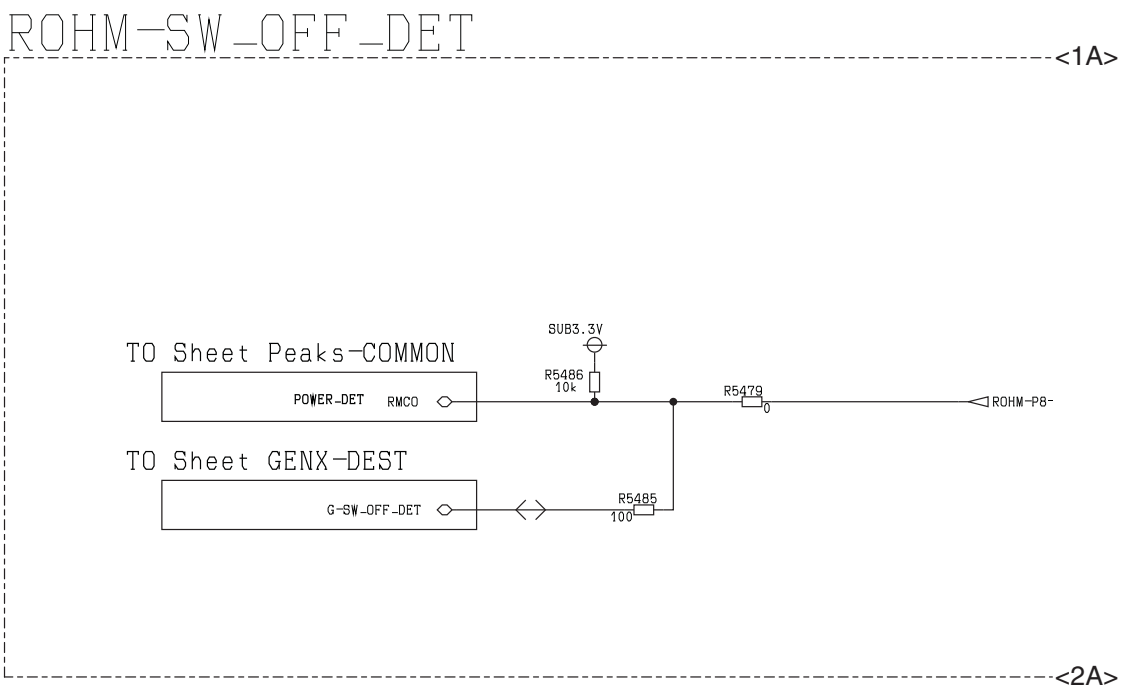


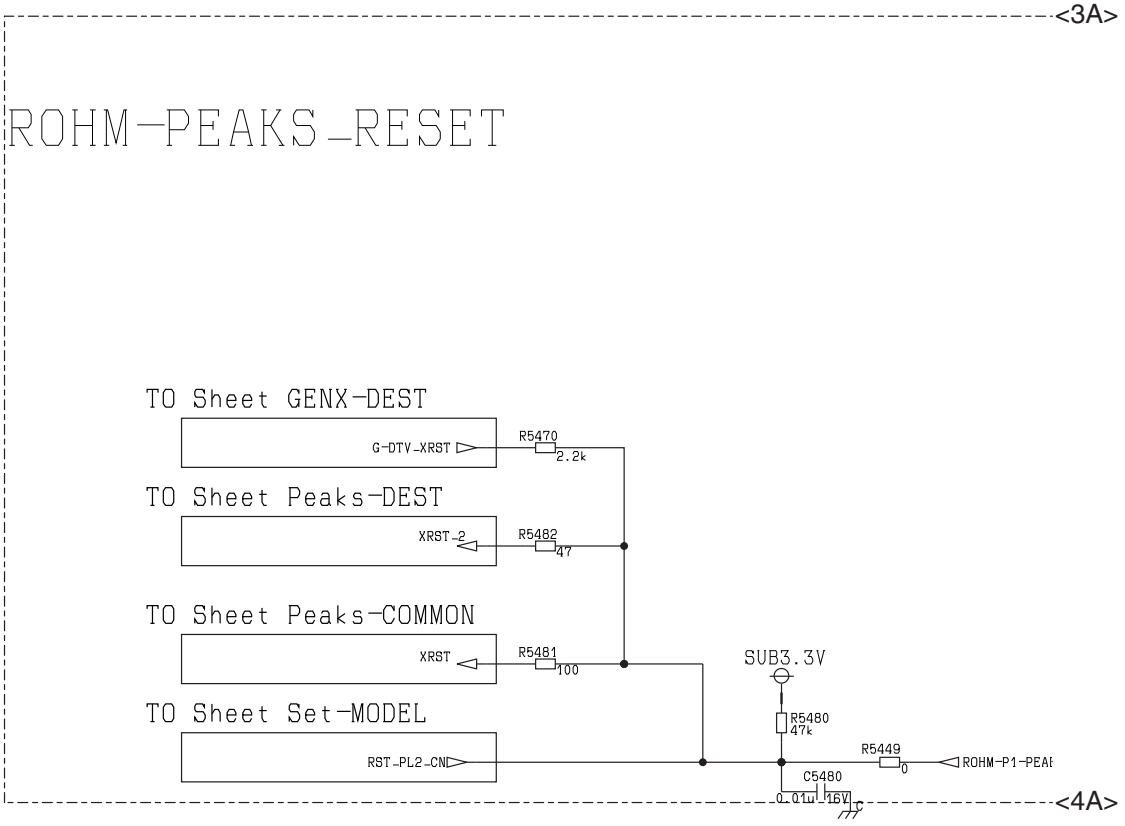
10.2.55. PLACA “A” - FOLHA 012 (2/2)



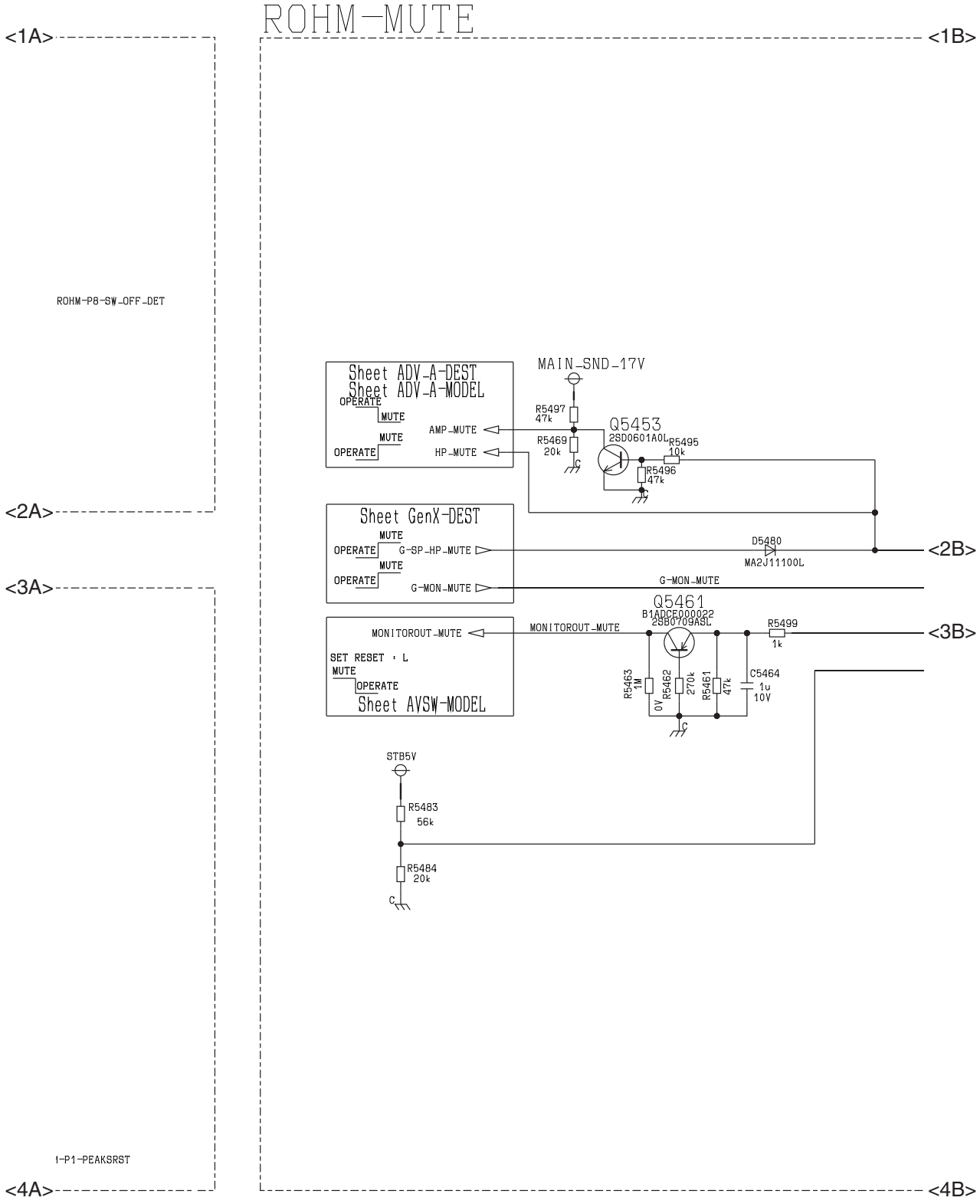
	α	LG
1	GND	GND
2	TEST	NC
3	AGW	NC
4	IC(NC)	NC
5	IC(NC)	NC
6	IC(NC)	NC
7	LVDSSEL	LVDSSEL
8	IC(NC)	NC
9	NC	NC
10	NC	NC
11	GND	GND
12	RxA0-	RxA0-
13	RxA0+	RxA0+
14	RxA1-	RxA1-
15	RxA1+	RxA1+
16	RxA2-	RxA2-
17	RxA2+	RxA2+
18	GND	GND
19	CLKA-	CLKA-
20	CLKA+	CLKA+
21	GND	GND
22	RxA3+	RxA3+
23	RxA3+	RxA3+
24	NC	R1EN(NC)
25	NC	R1EP(NC)
26	GND	Reserved
27	GND	Bit select
28	RxB0-	RxB0-
29	RxB0+	RxB0+
30	RxB1-	RxB1-
31	RxB1+	RxB1+
32	RxB2-	RxB2-
33	RxB2+	RxB2+
34	GND	GND
35	CLKB-	CLKB-
36	CLKB+	CLKB+
37	GND	GND
38	RxB3+	RxB3+
39	RxB3+	RxB3+
40	NC	R2EN(NC)
41	IC(NC)	R2EP(NC)
42	GND	Reserved
43	GND	Reserved
44	GND	TEST
45	GND	GND
46	GND	GND
47	NC	NC
48	VCC-12V	VCC-12V
49	VCC-12V	VCC-12V
50	VCC-12V	VCC-12V
51	VCC-12V	VCC-12V

10.2.56. PLACA “A” - FOLHA 013 (1/5)

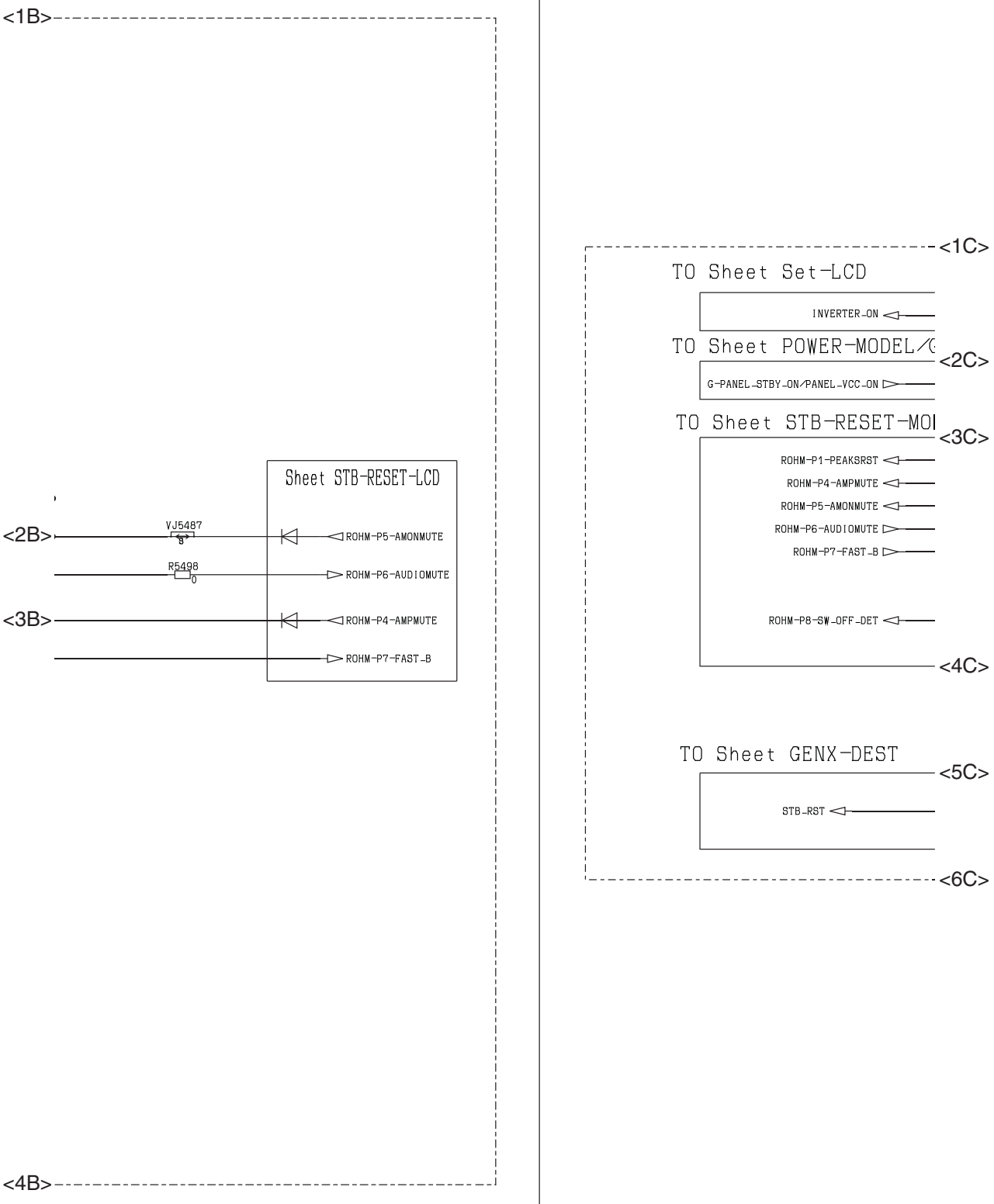




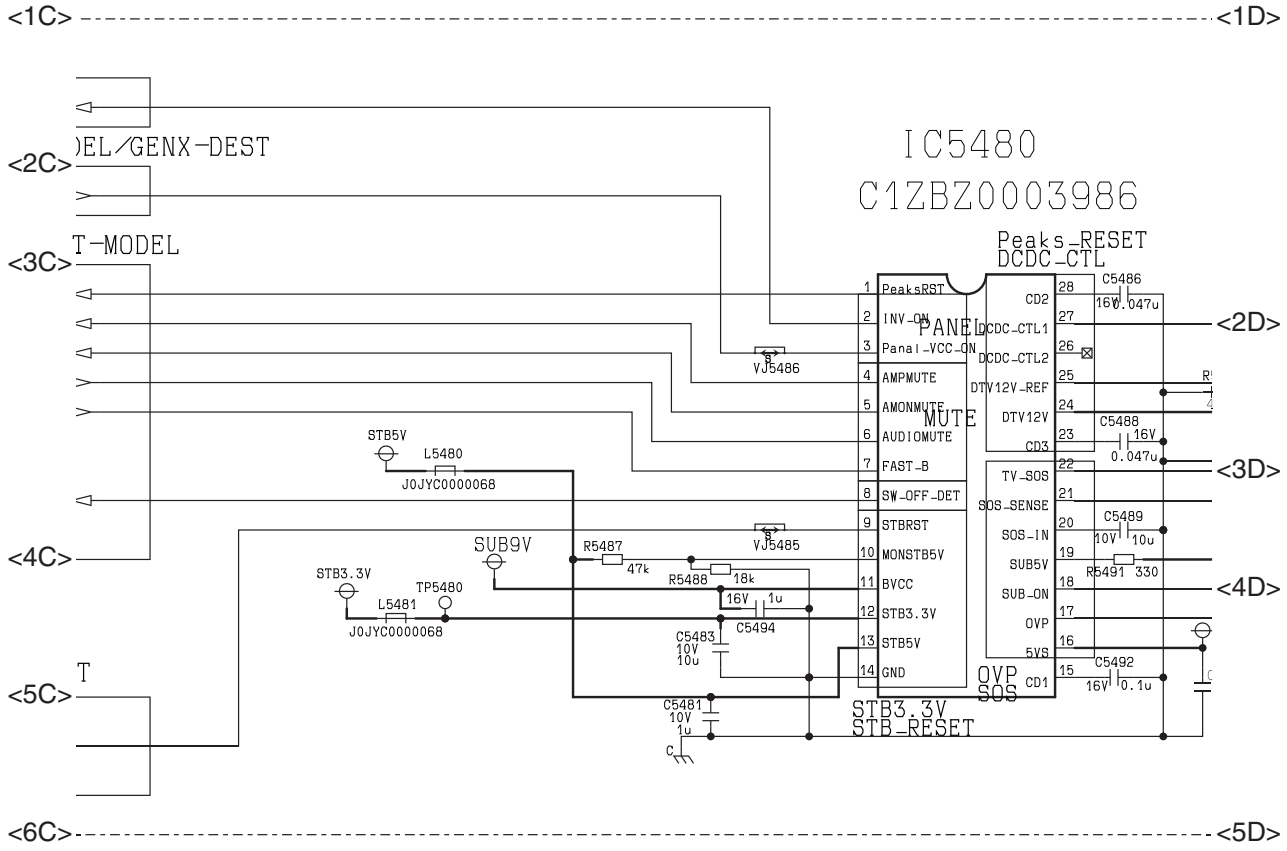
10.2.57. PLACA “A” - FOLHA 013 (2/5)



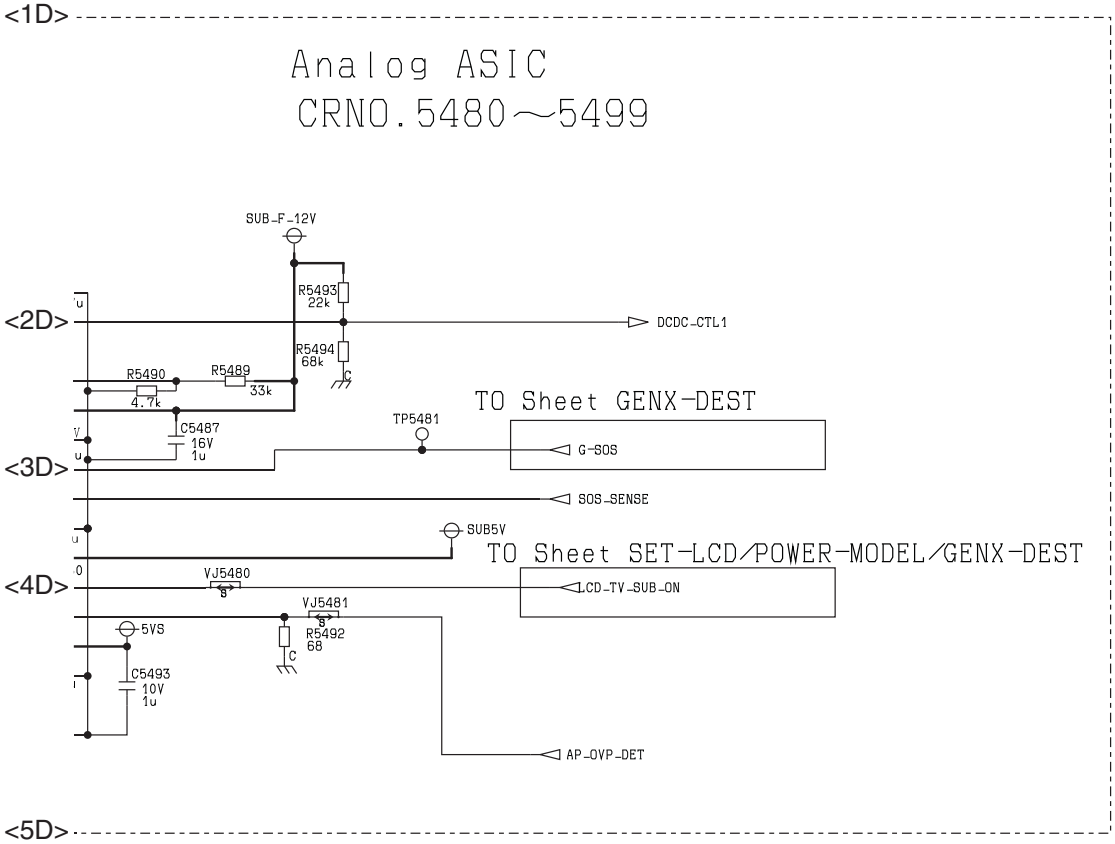
10.2.58. PLACA “A” - FOLHA 013 (3/5)



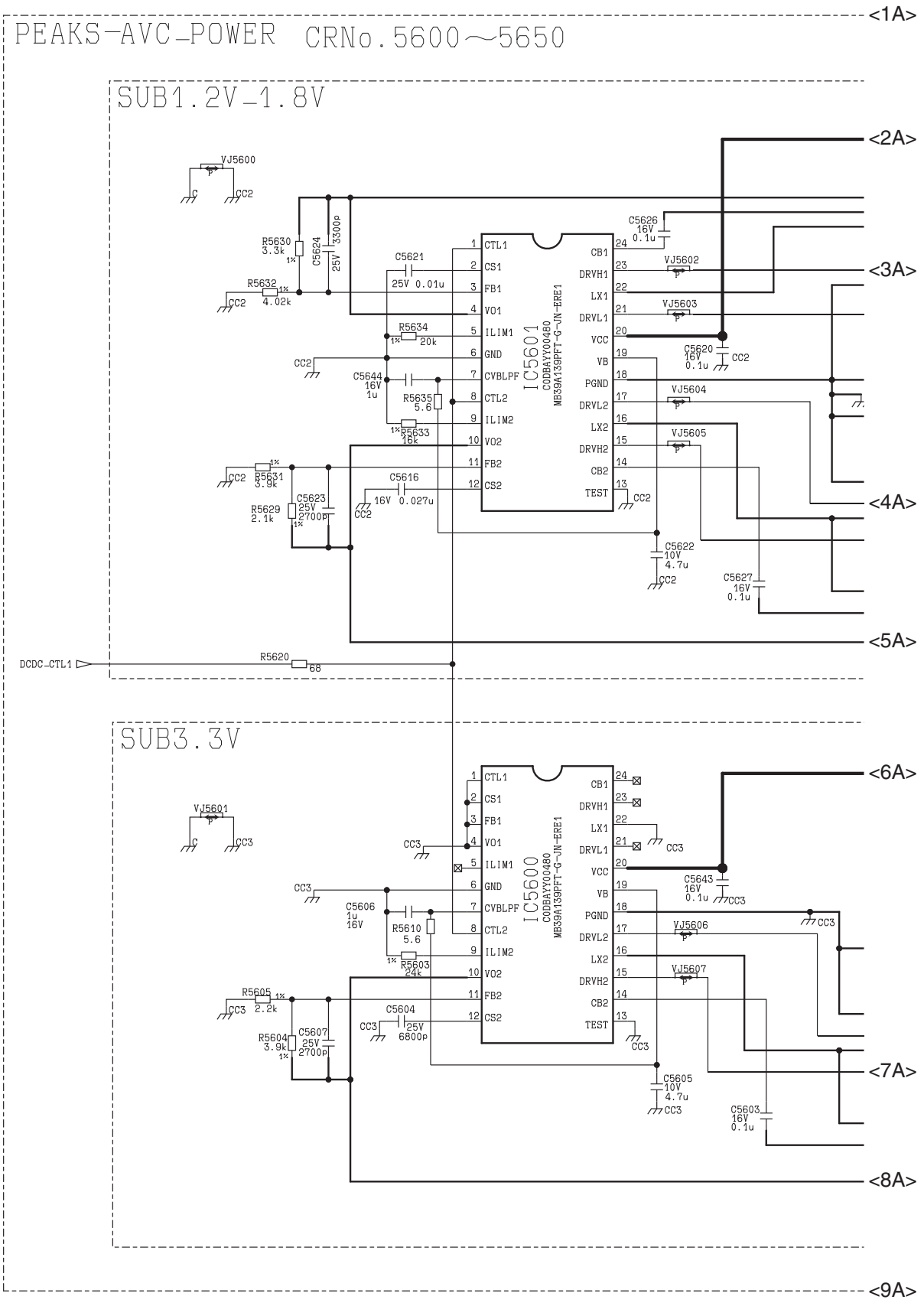
10.2.59. PLACA “A” - FOLHA 013 (4/5)



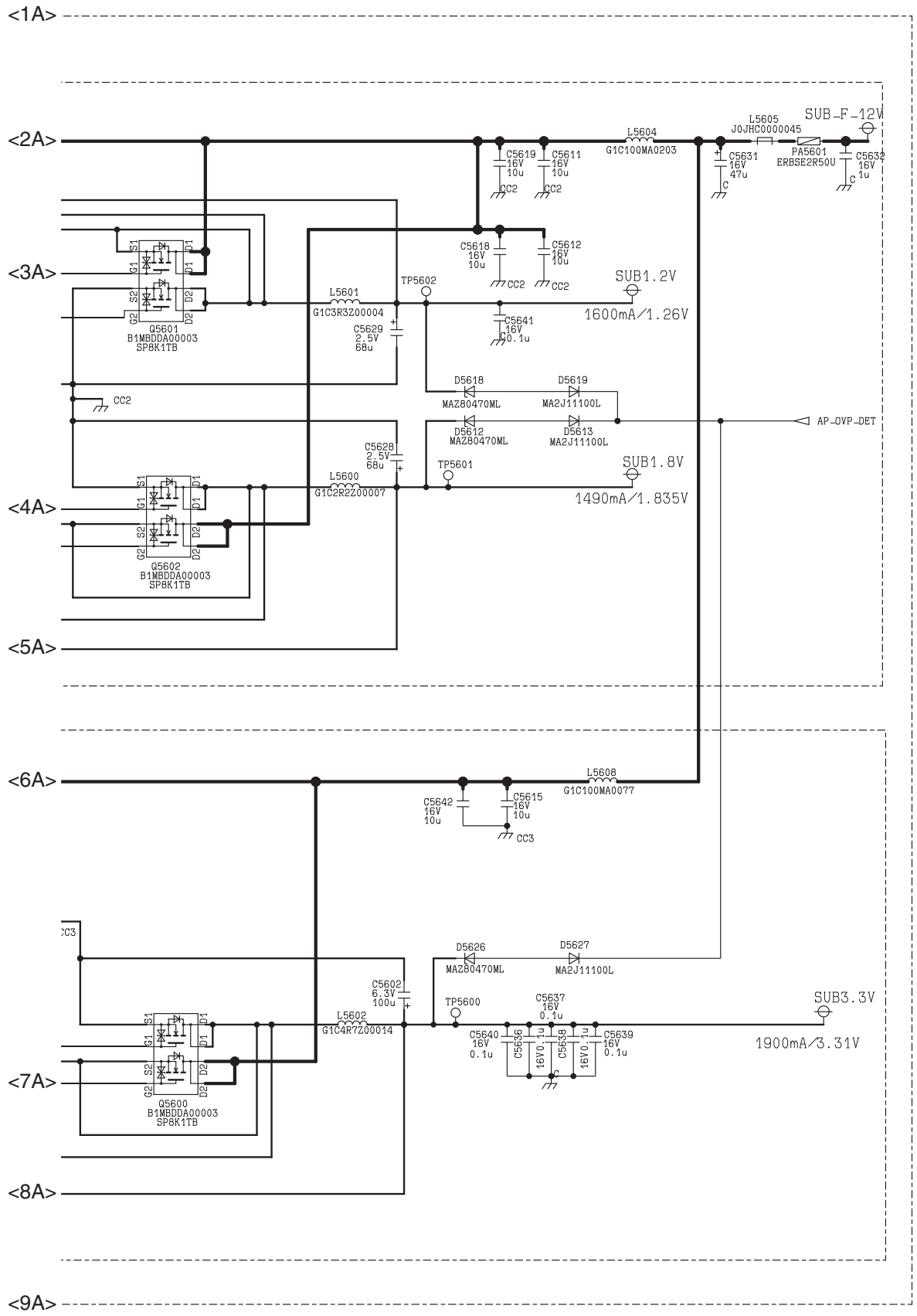
10.2.60. PLACA “A” - FOLHA 013 (5/5)



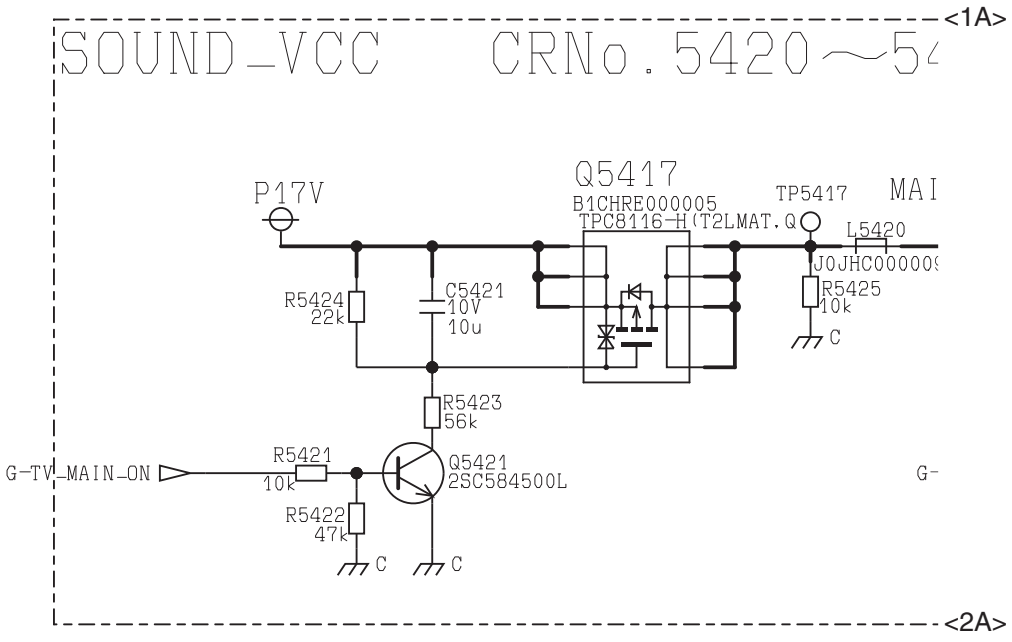
10.2.61. PLACA “A” - FOLHA 014 (1/2)

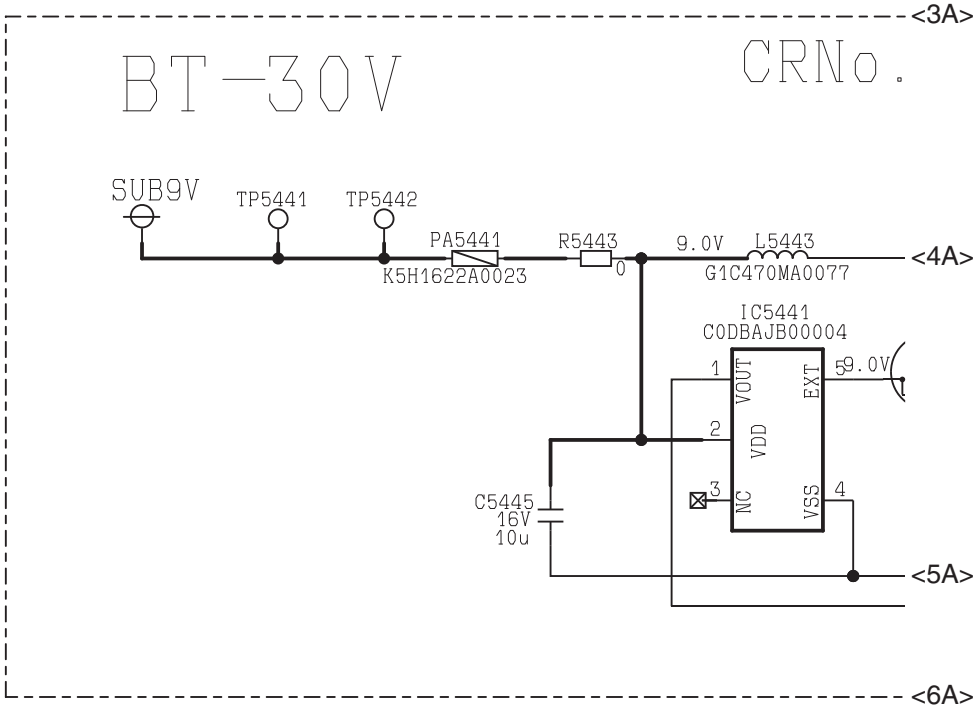


10.2.62. PLACA “A” - FOLHA 014 (2/2)

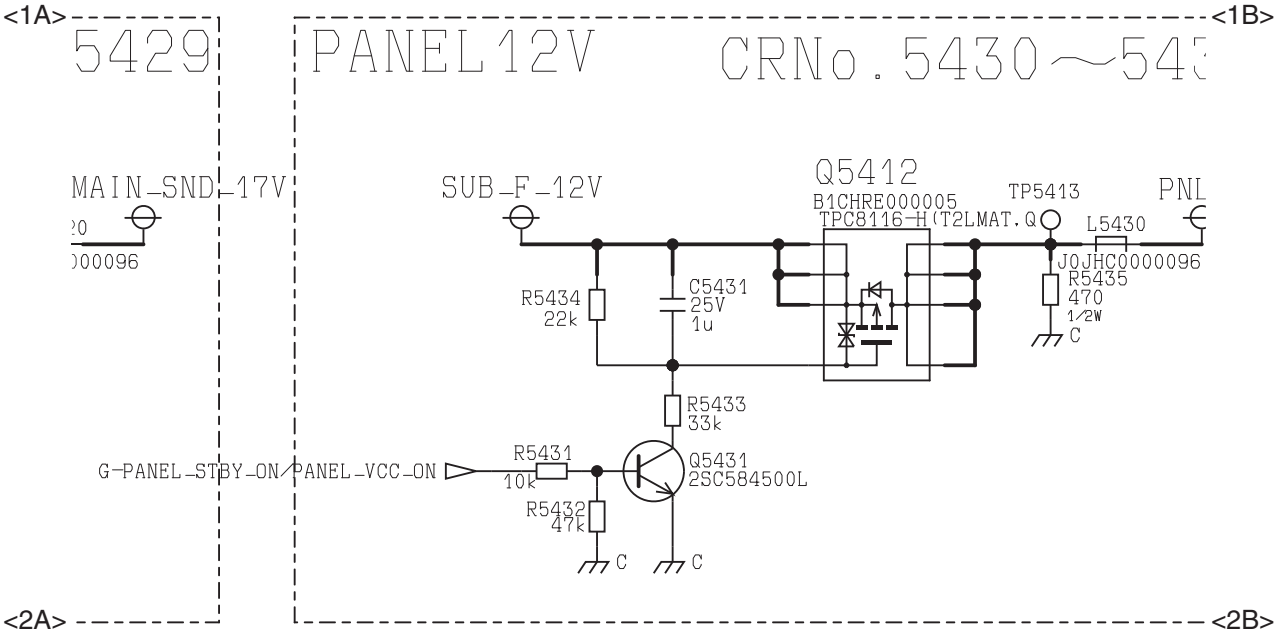


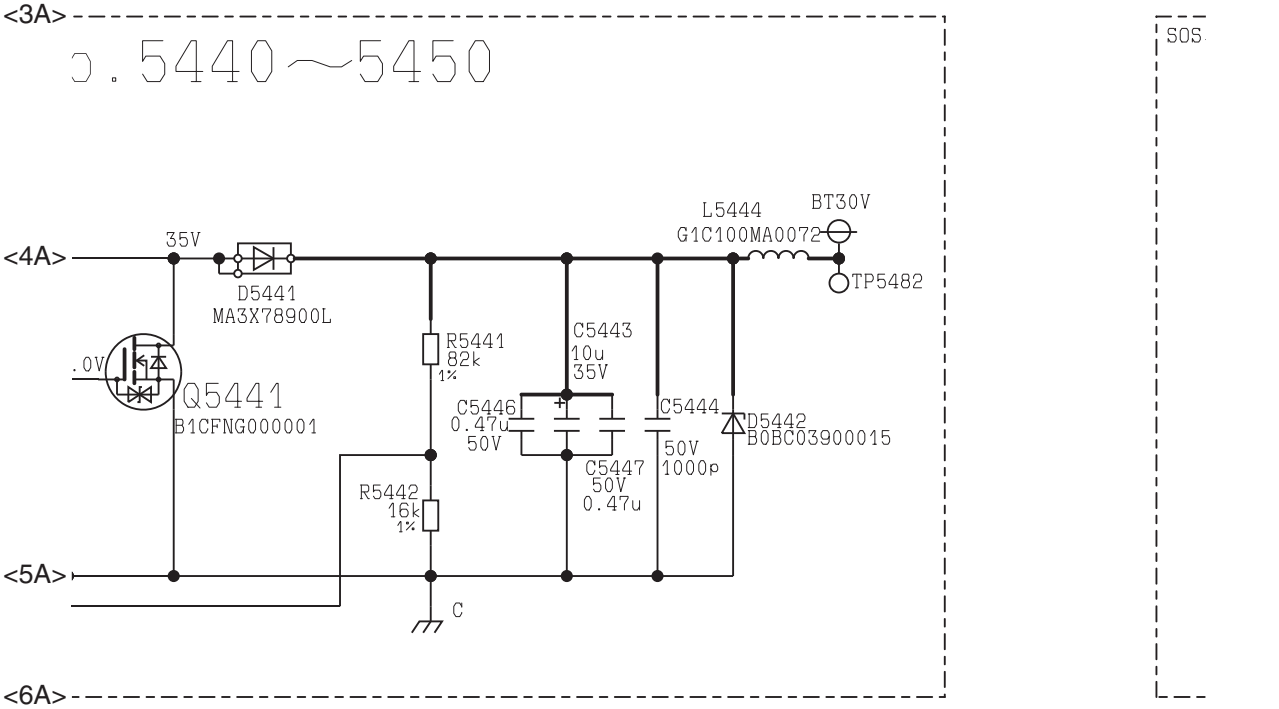
10.2.63. PLACA “A” - FOLHA 015 (1/5)



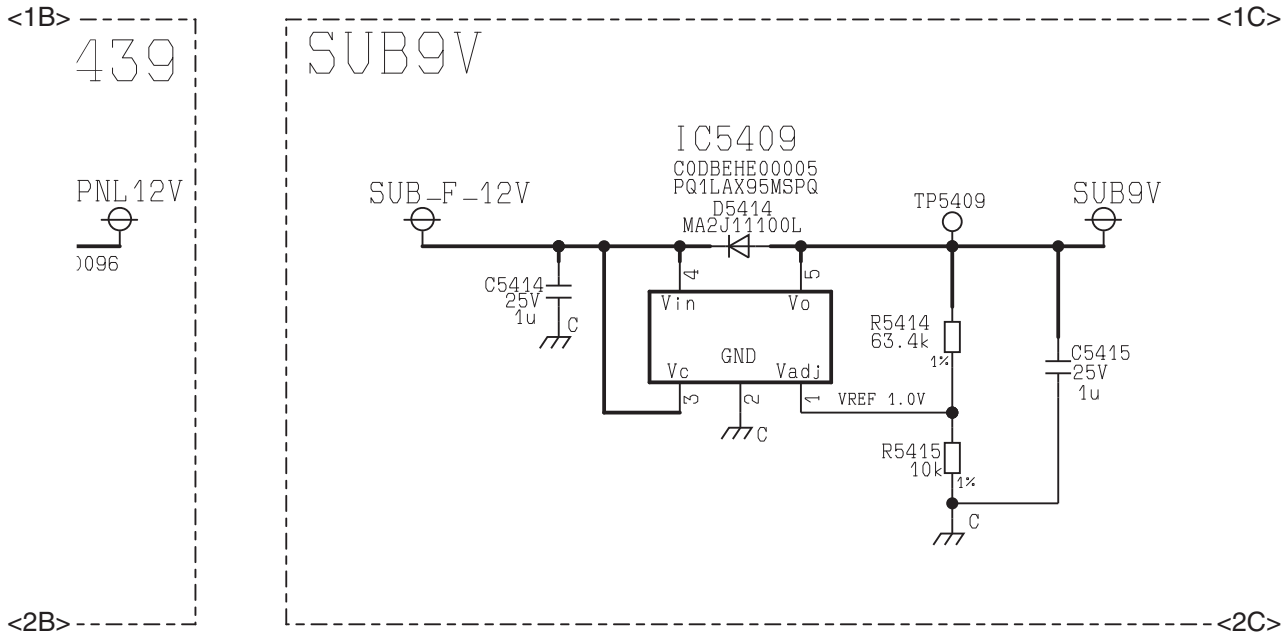


10.2.64. PLACA “A” - FOLHA 015 (2/5)

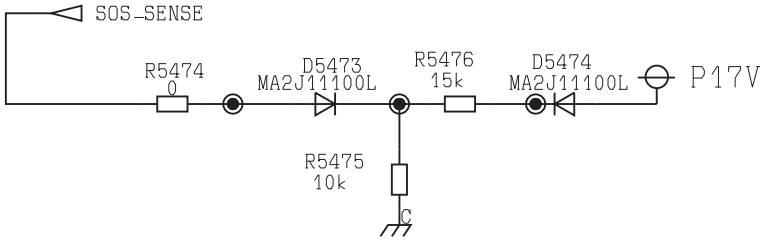




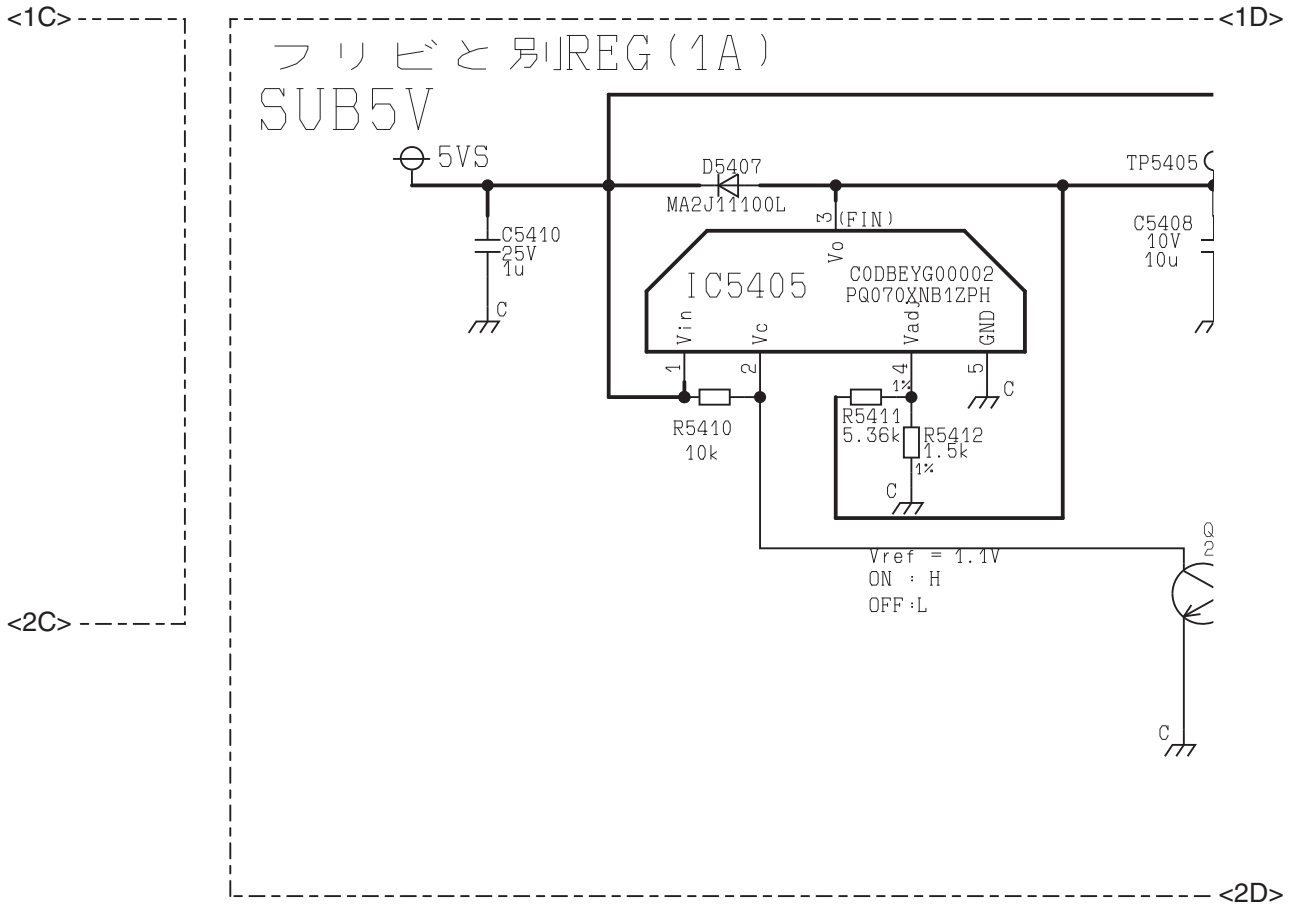
10.2.65. PLACA “A” - FOLHA 015 (3/5)

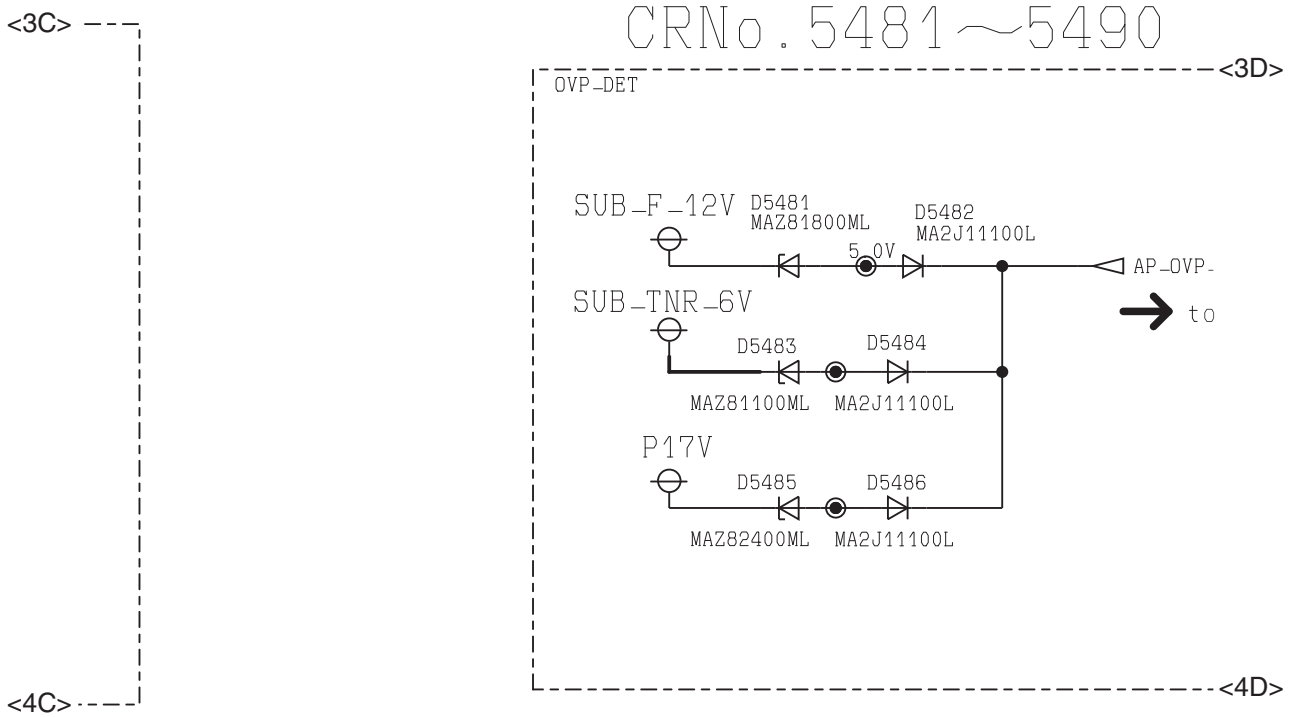


SOS_SENSE

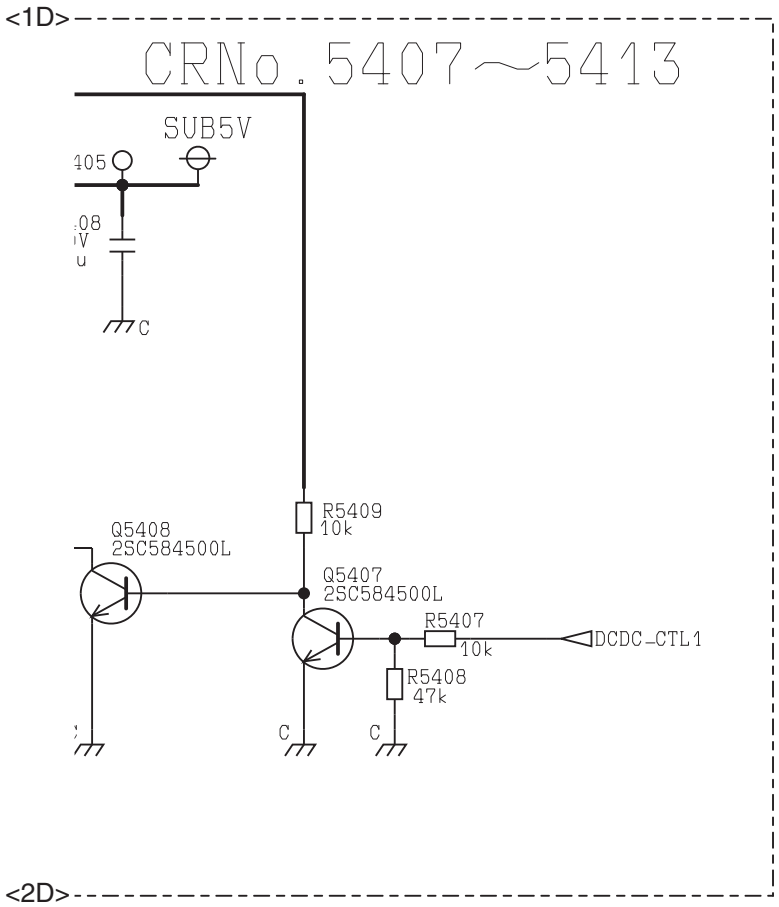


10.2.66. PLACA “A” - FOLHA 015 (4/5)

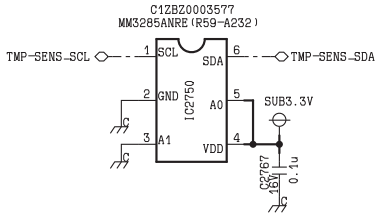


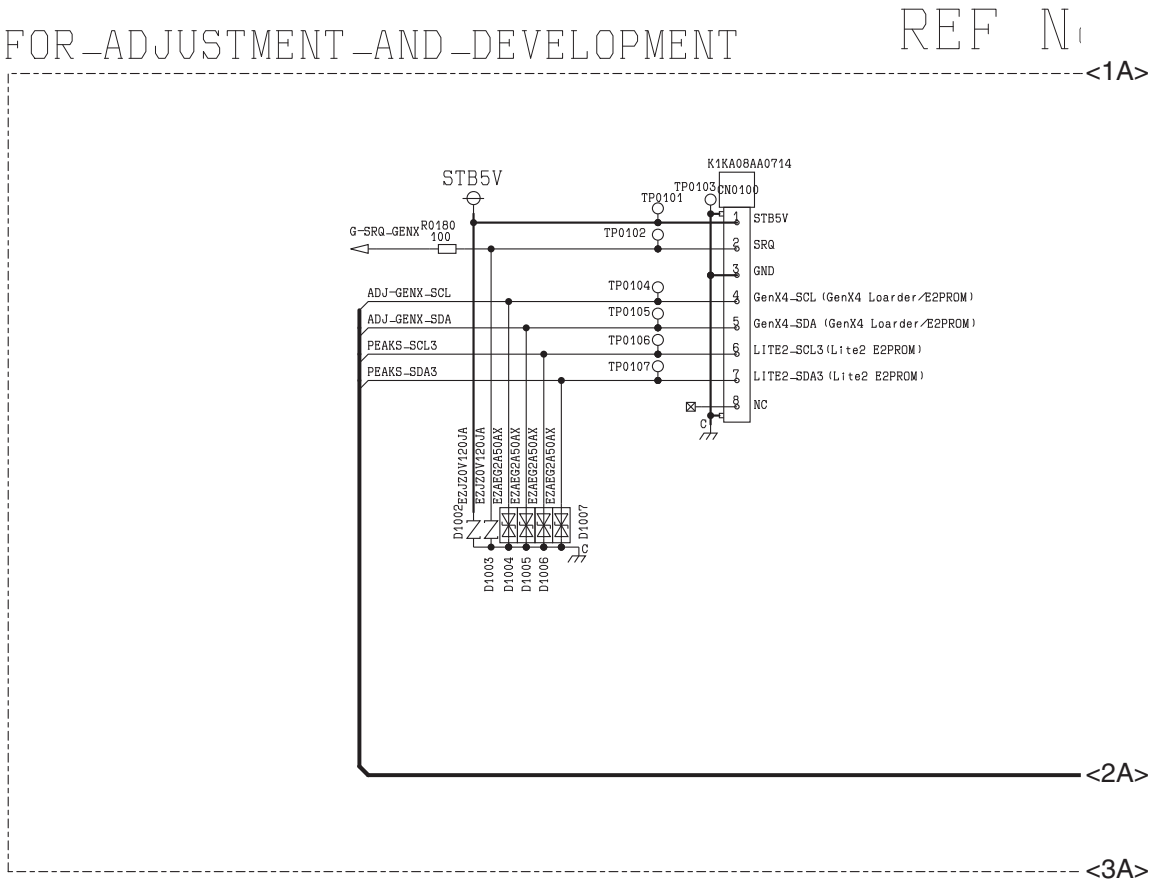


10.2.67. PLACA “A” - FOLHA 015 (5/5)

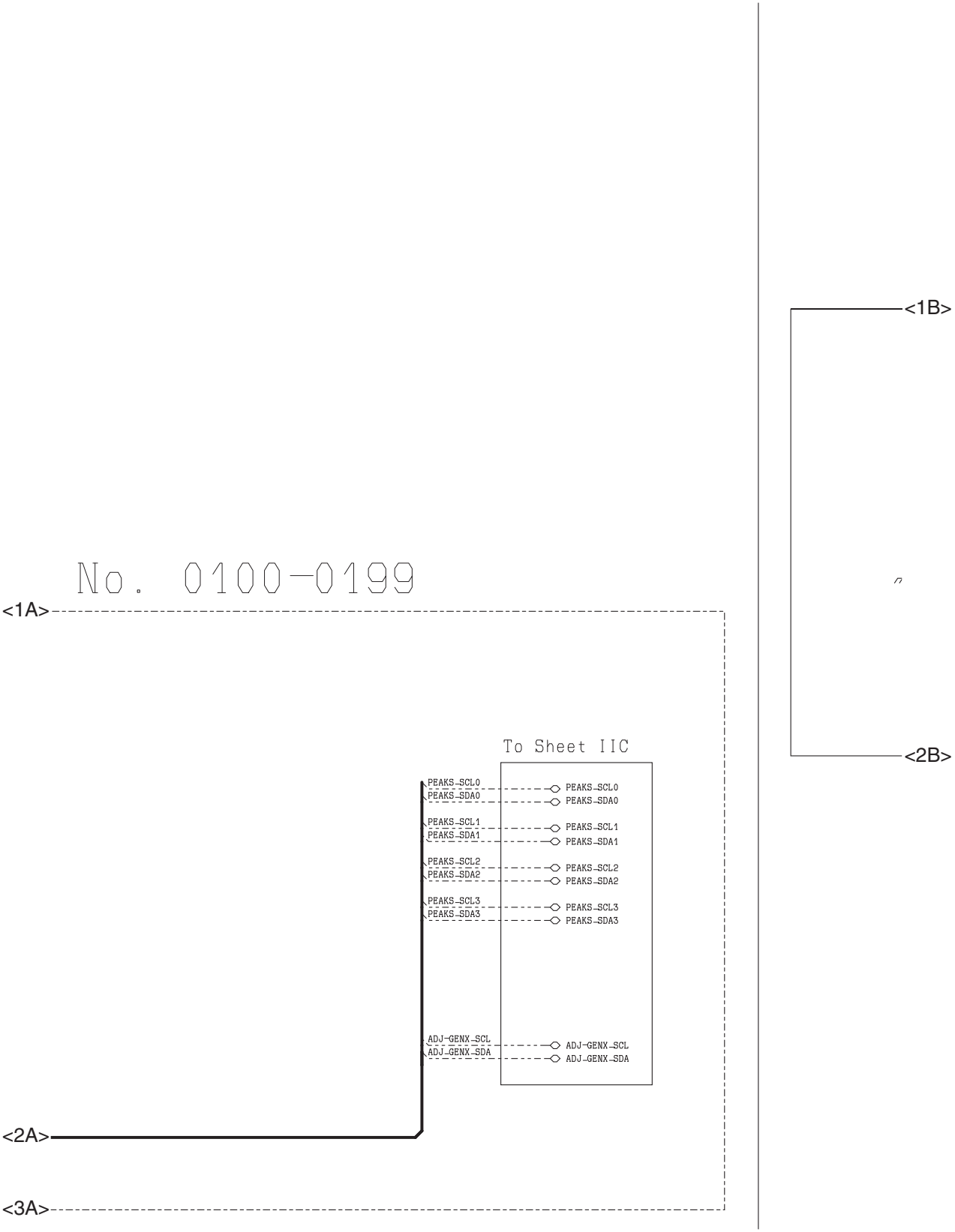


10.2.68. PLACA “A” - FOLHA 016 (1/5)

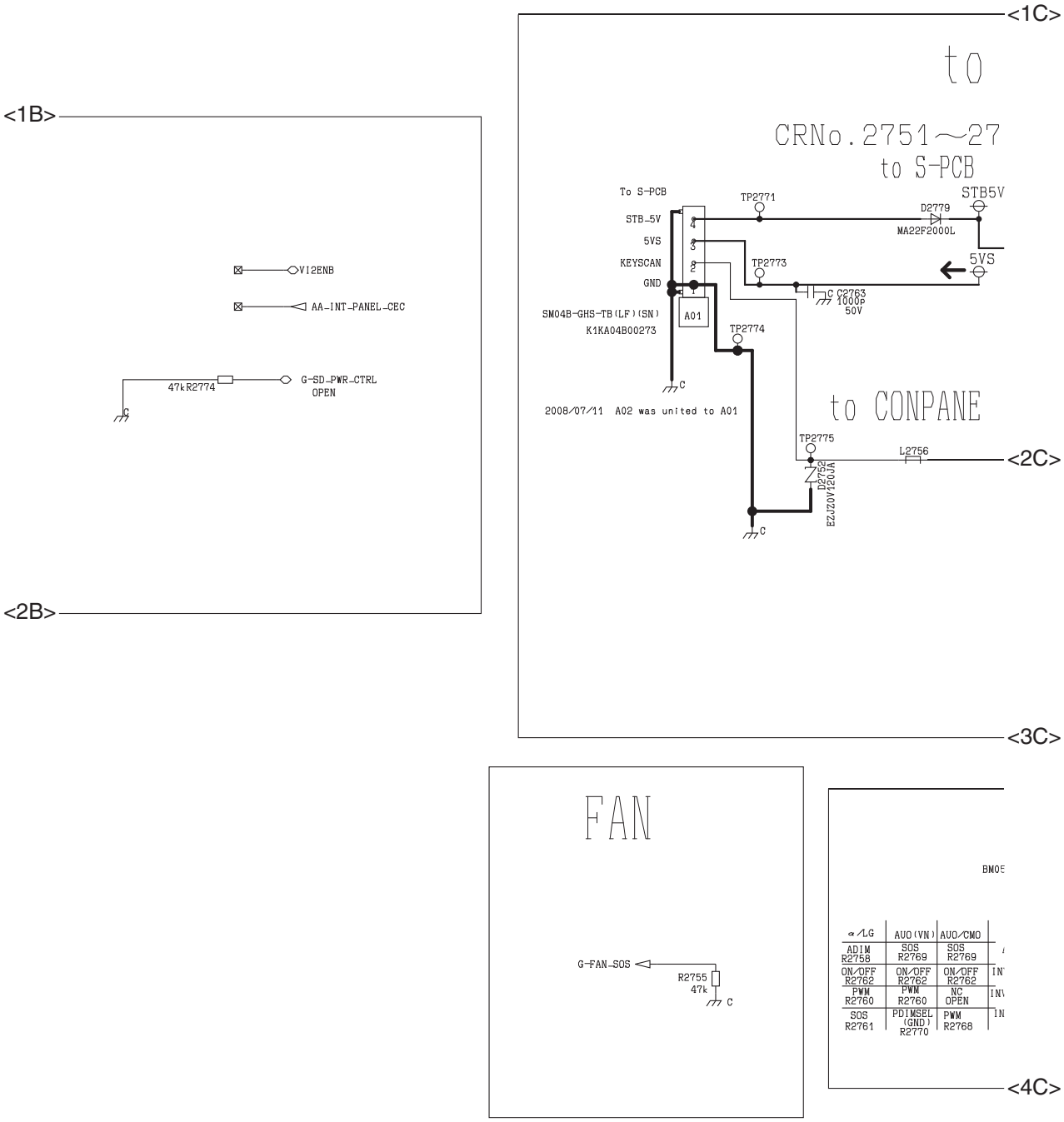




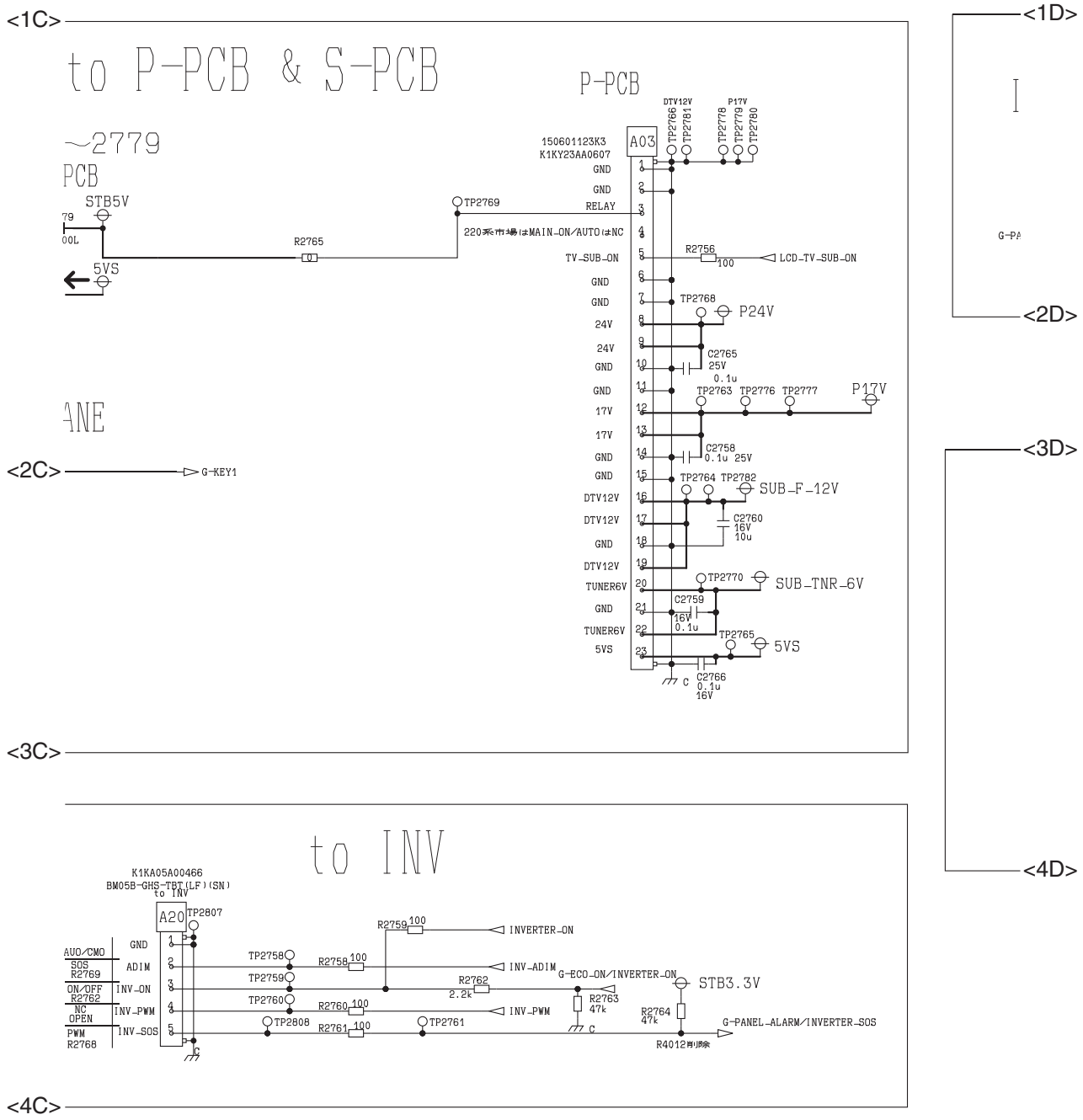
10.2.69. PLACA “A” - FOLHA 016 (2/5)



10.2.70. PLACA “A” - FOLHA 016 (3/5)



10.2.71. PLACA “A” - FOLHA 016 (4/5)



10.2.72. PLACA “A” - FOLHA 016 (5/5)

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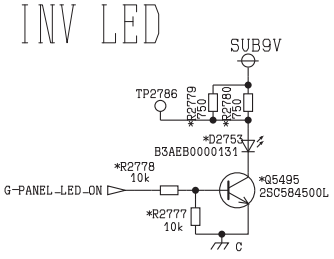

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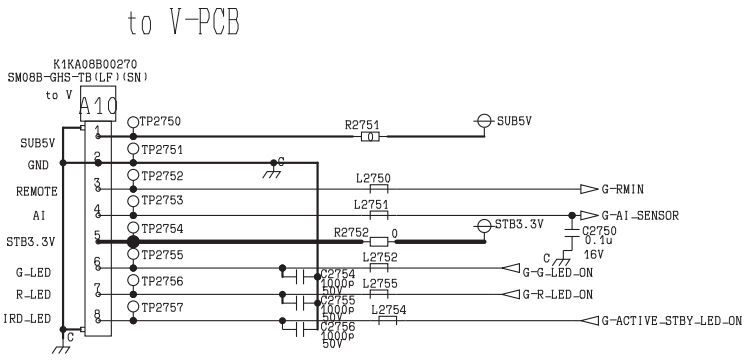
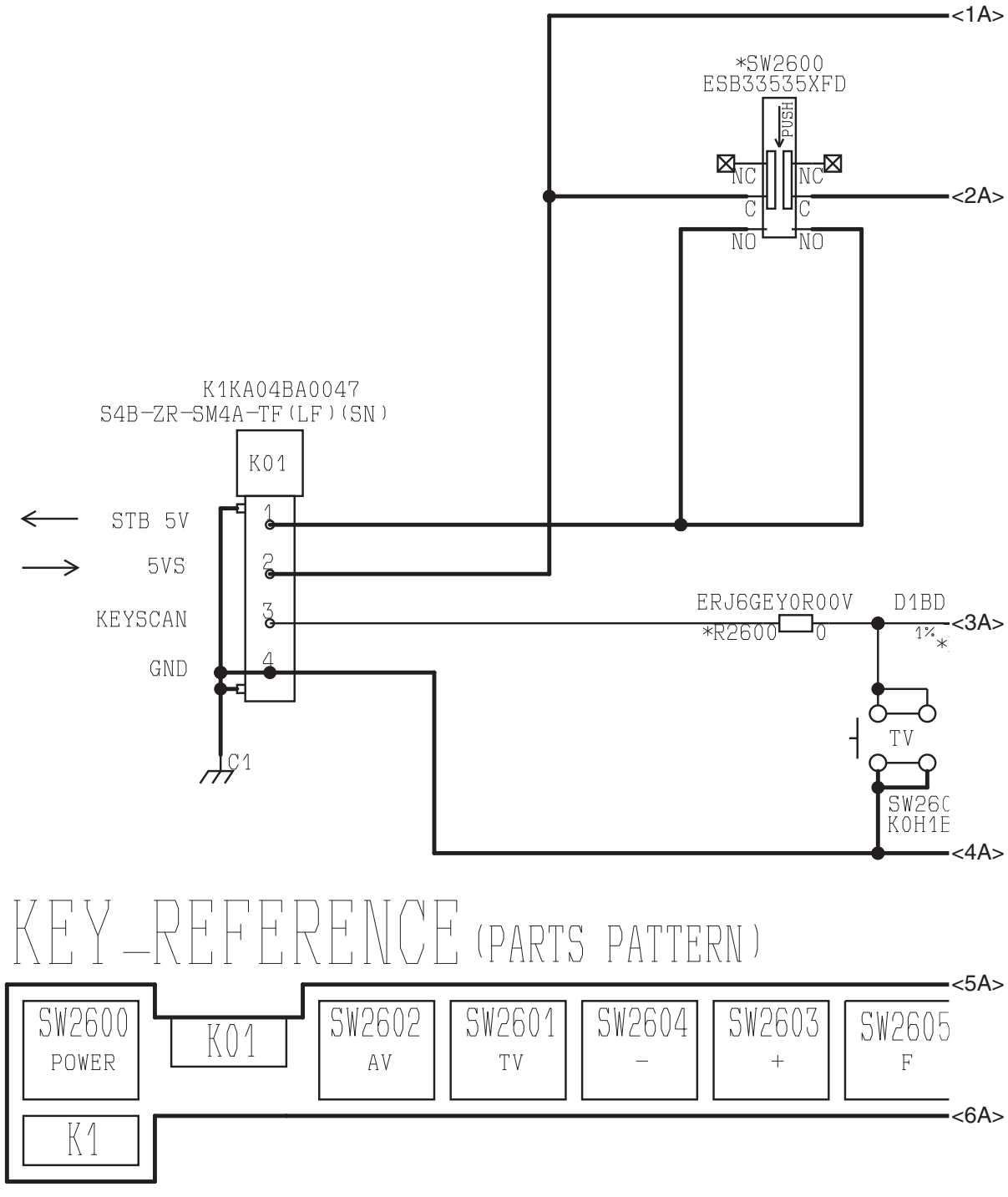


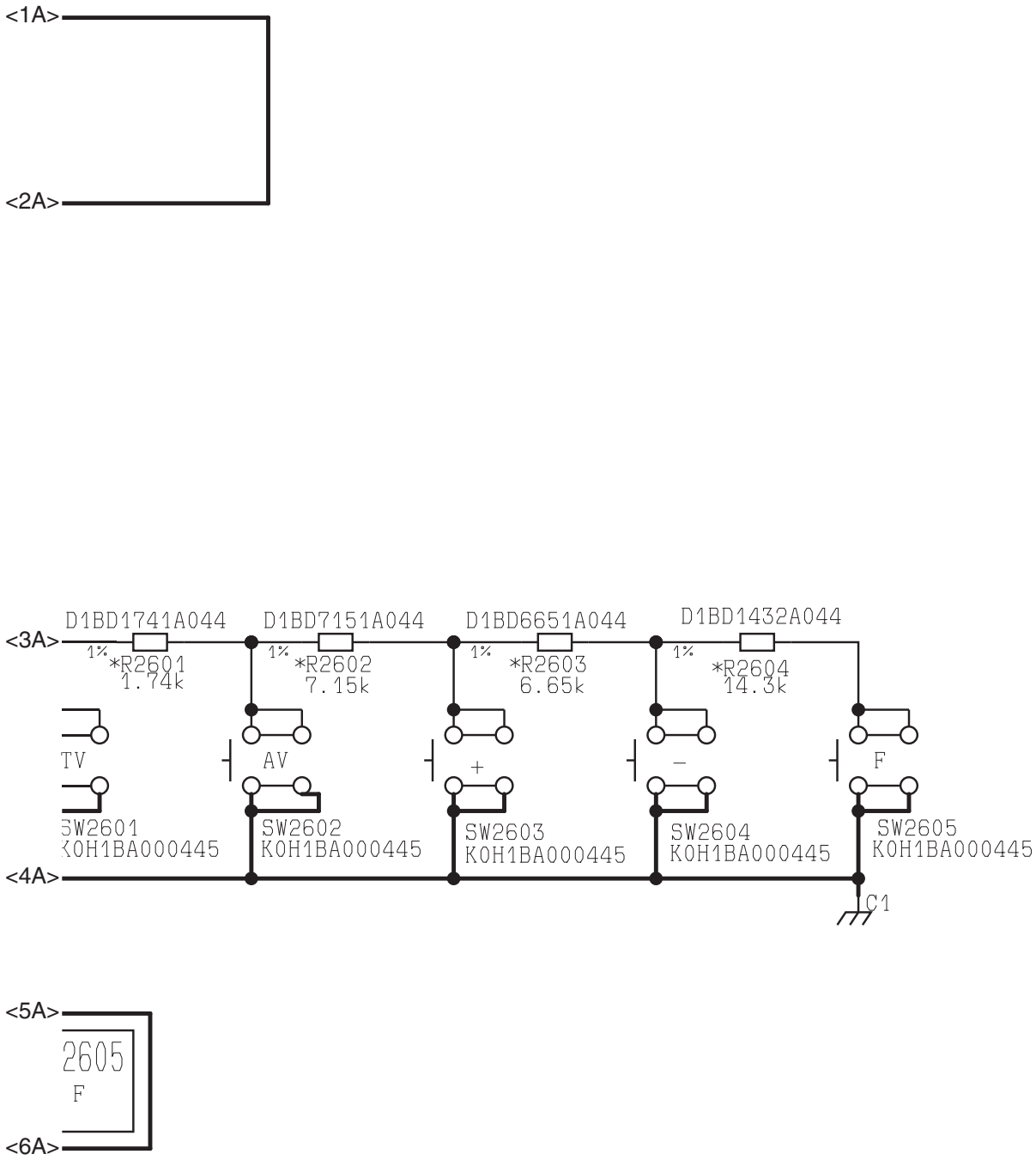
<4D>

10.3. DIAGRAMAS ESQUEMÁTICOS DA PLACA “K”

10.3.1. PLACA “K” - (1/2)

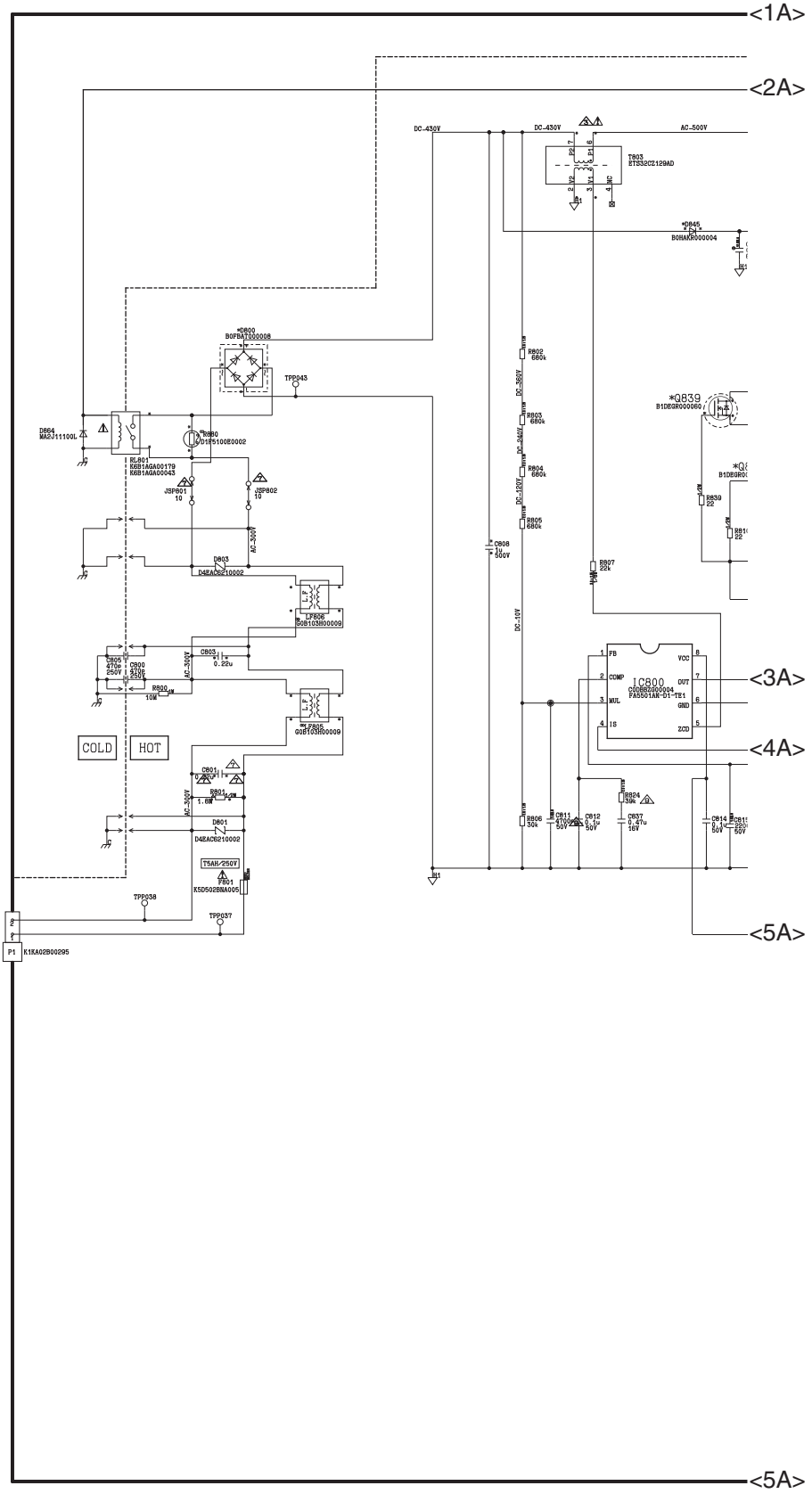


10.3.2. PLACA “K” - (2/2)

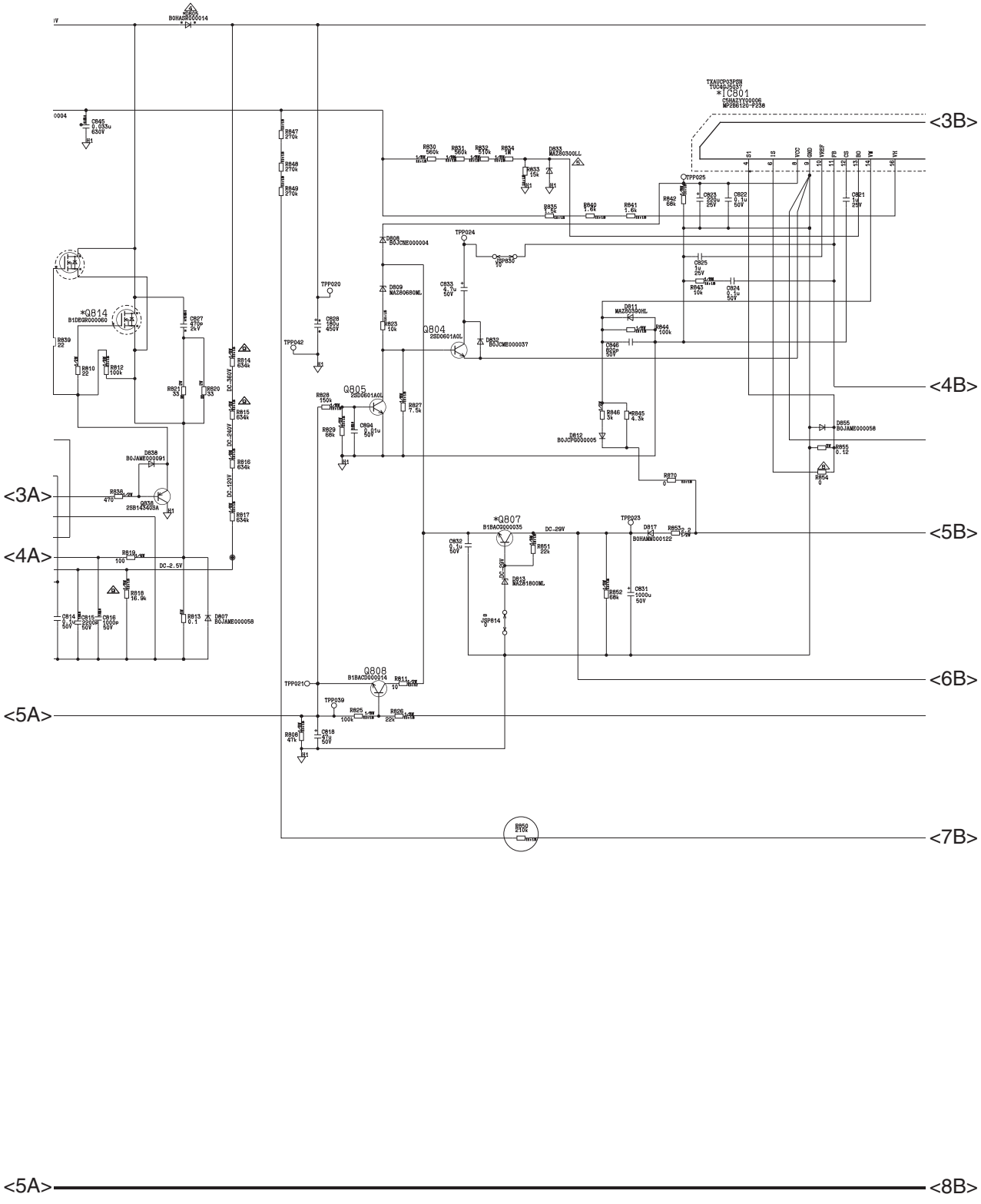


10.4. DIAGRAMAS ESQUEMÁTICOS DA PLACA “P”

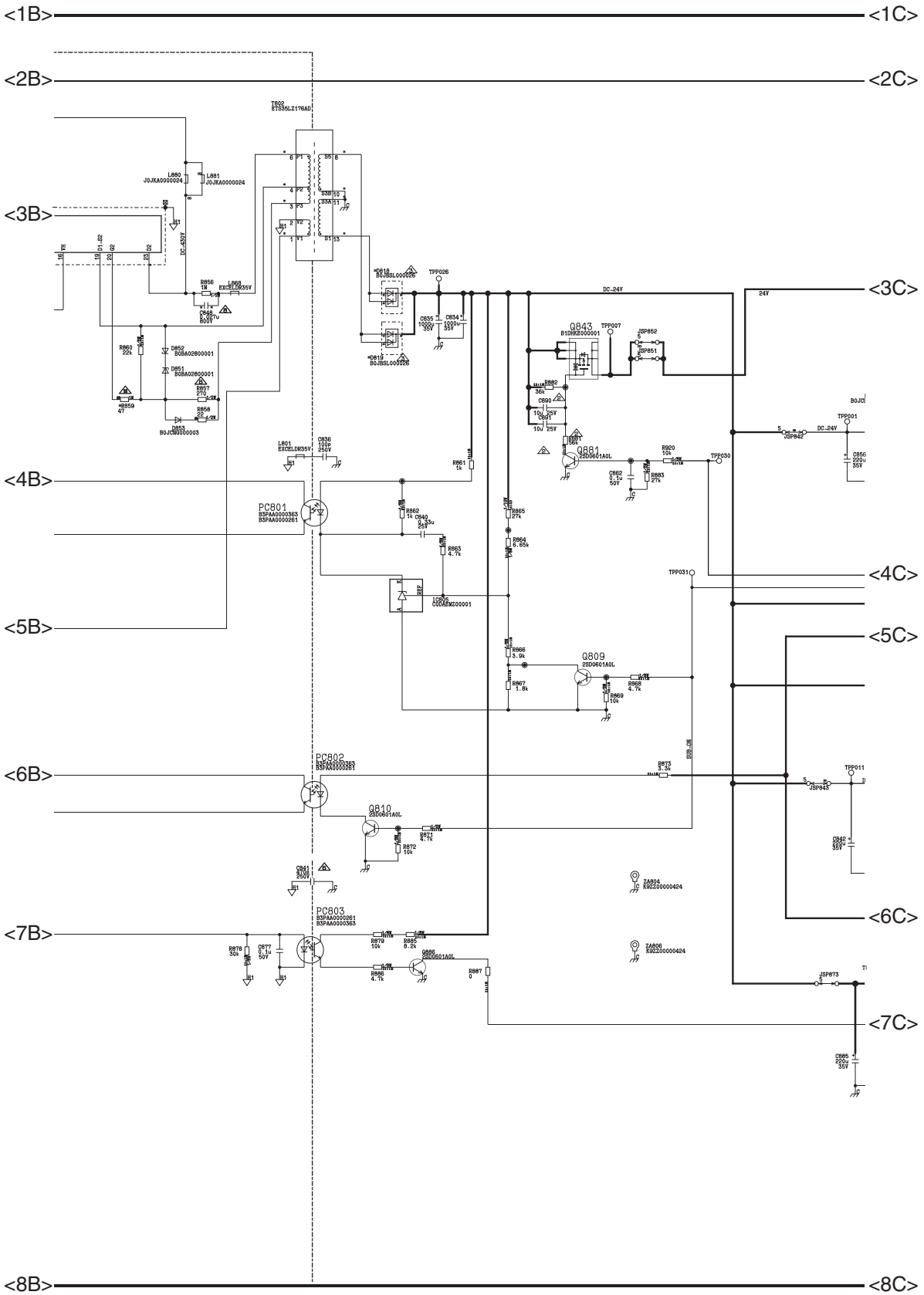
10.4.1. PLACA “P” - (1/4)



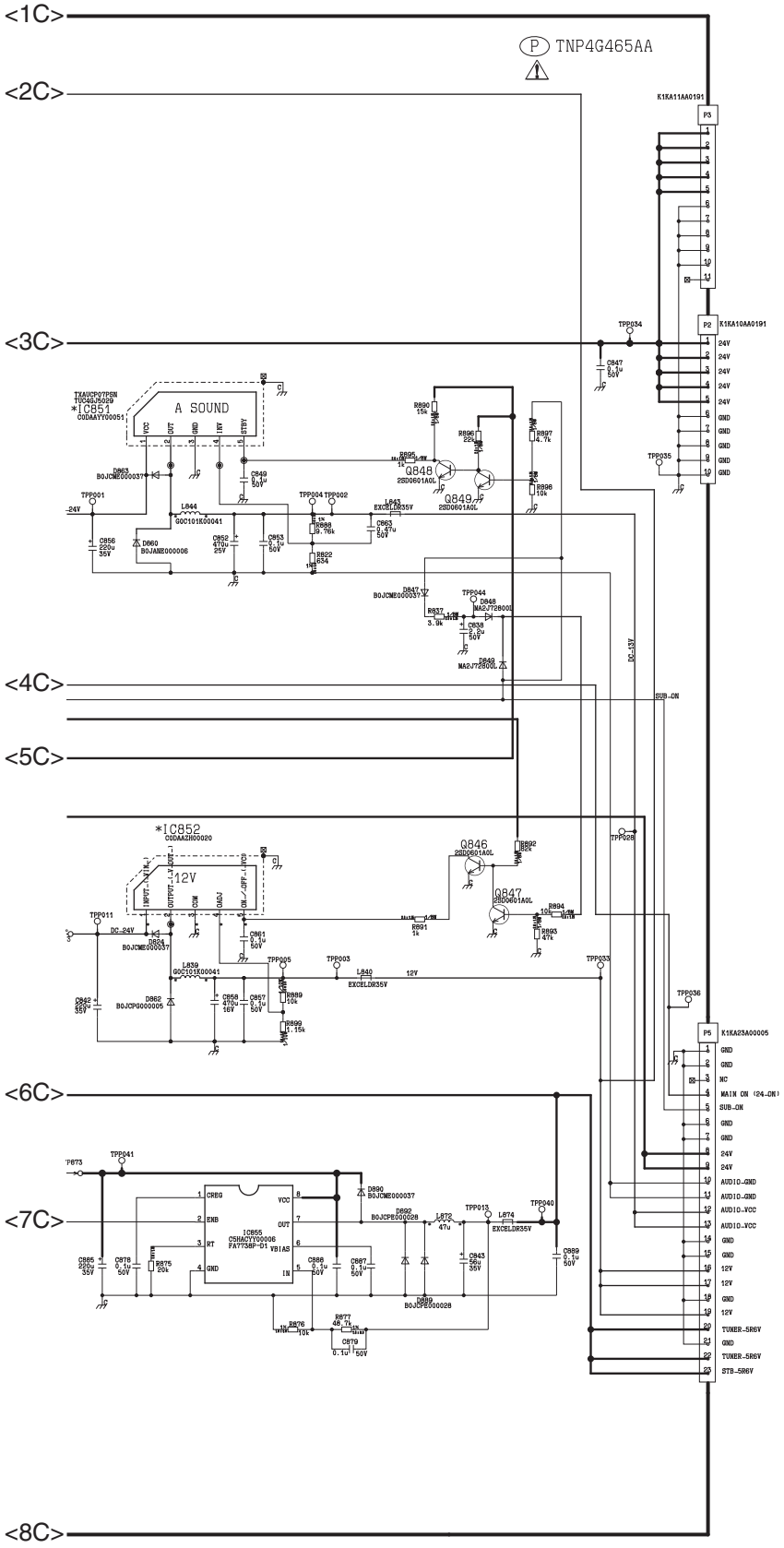
10.4.2. PLACA “P” - (2/4)



10.4.3. PLACA “P” - (3/4)

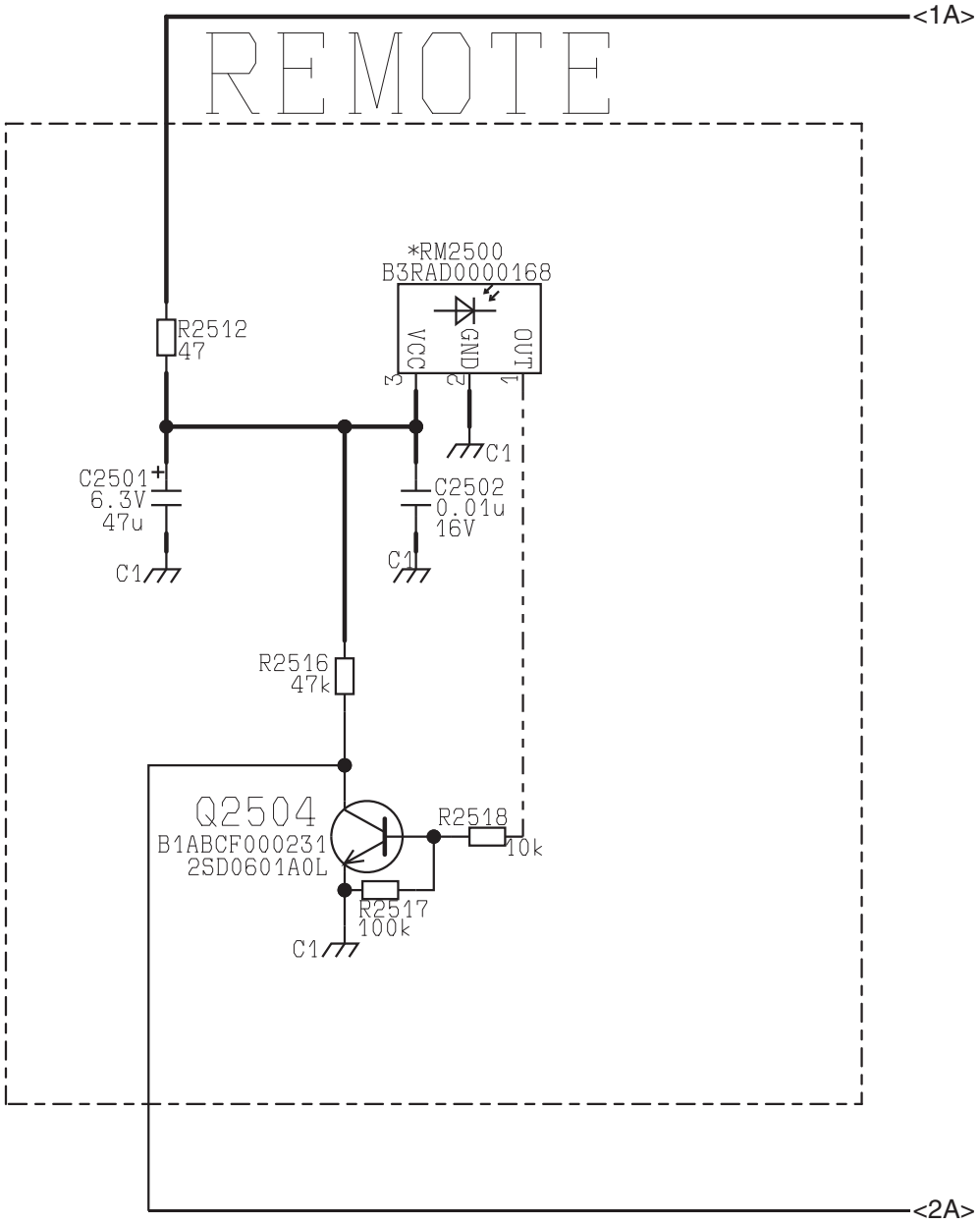


10.4.4. PLACA “P” - (4/4)

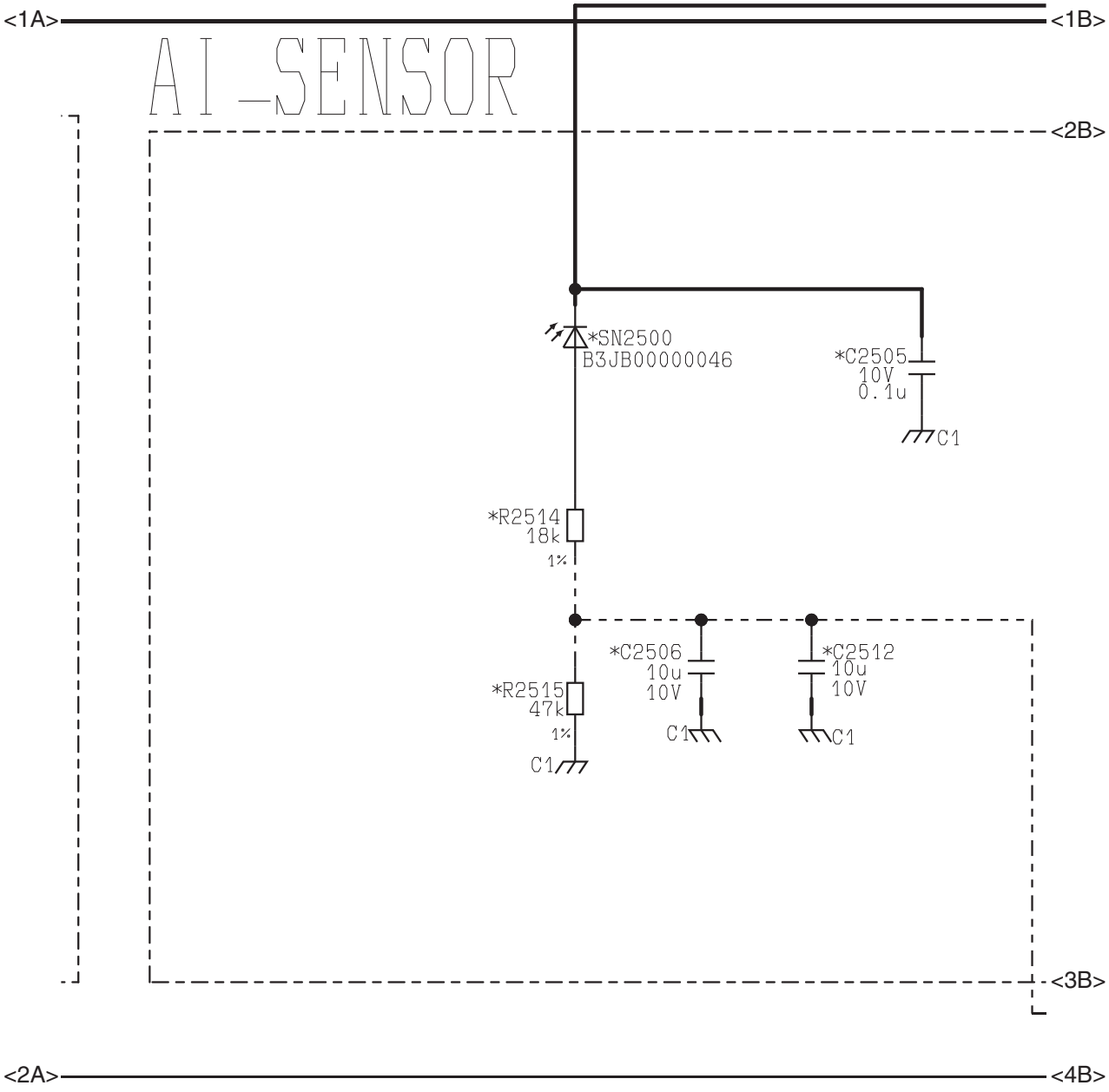


10.5. DIAGRAMAS ESQUEMÁTICOS DA PLACA “V”

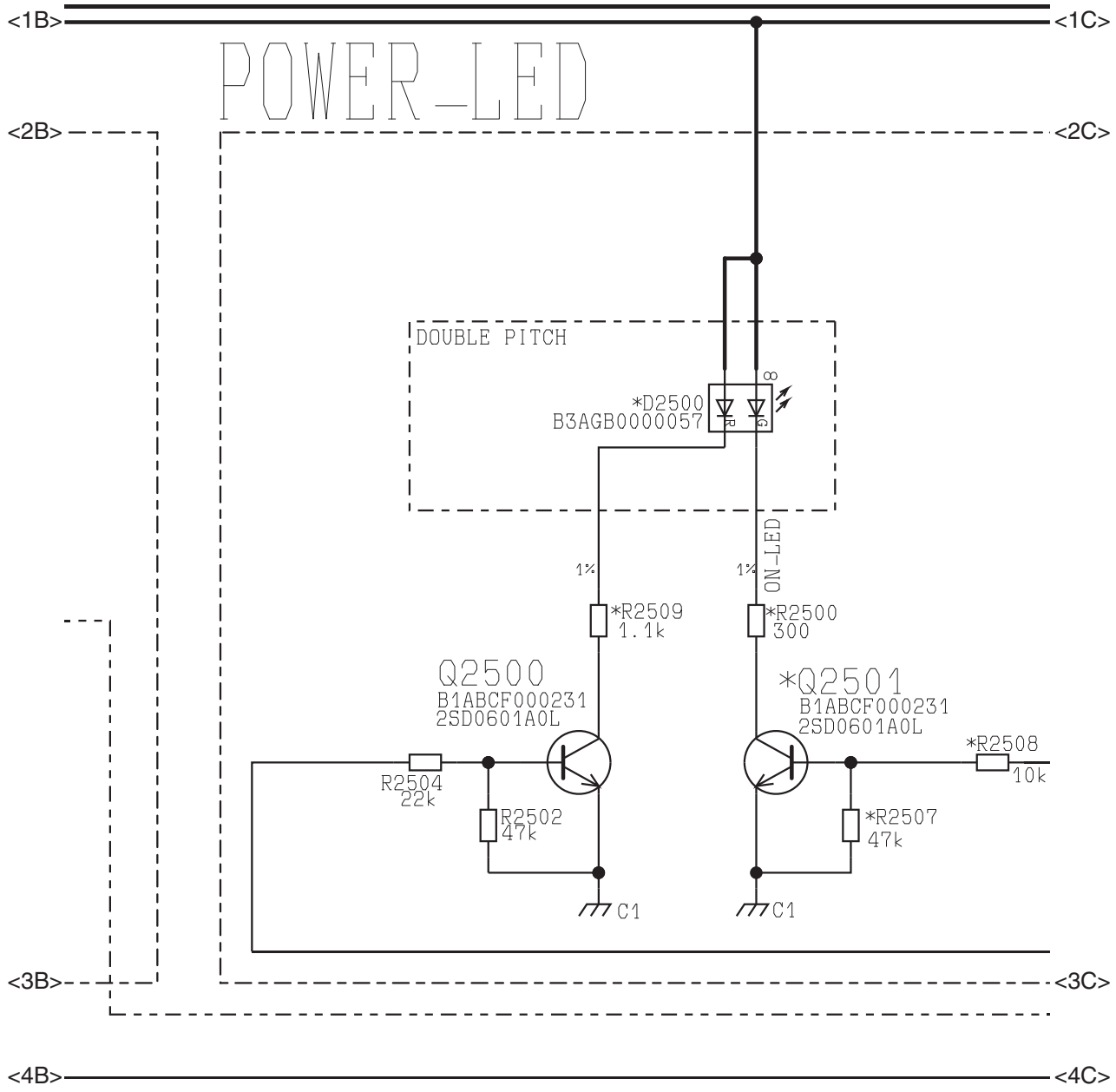
10.5.1. PLACA “V” - (1/4)



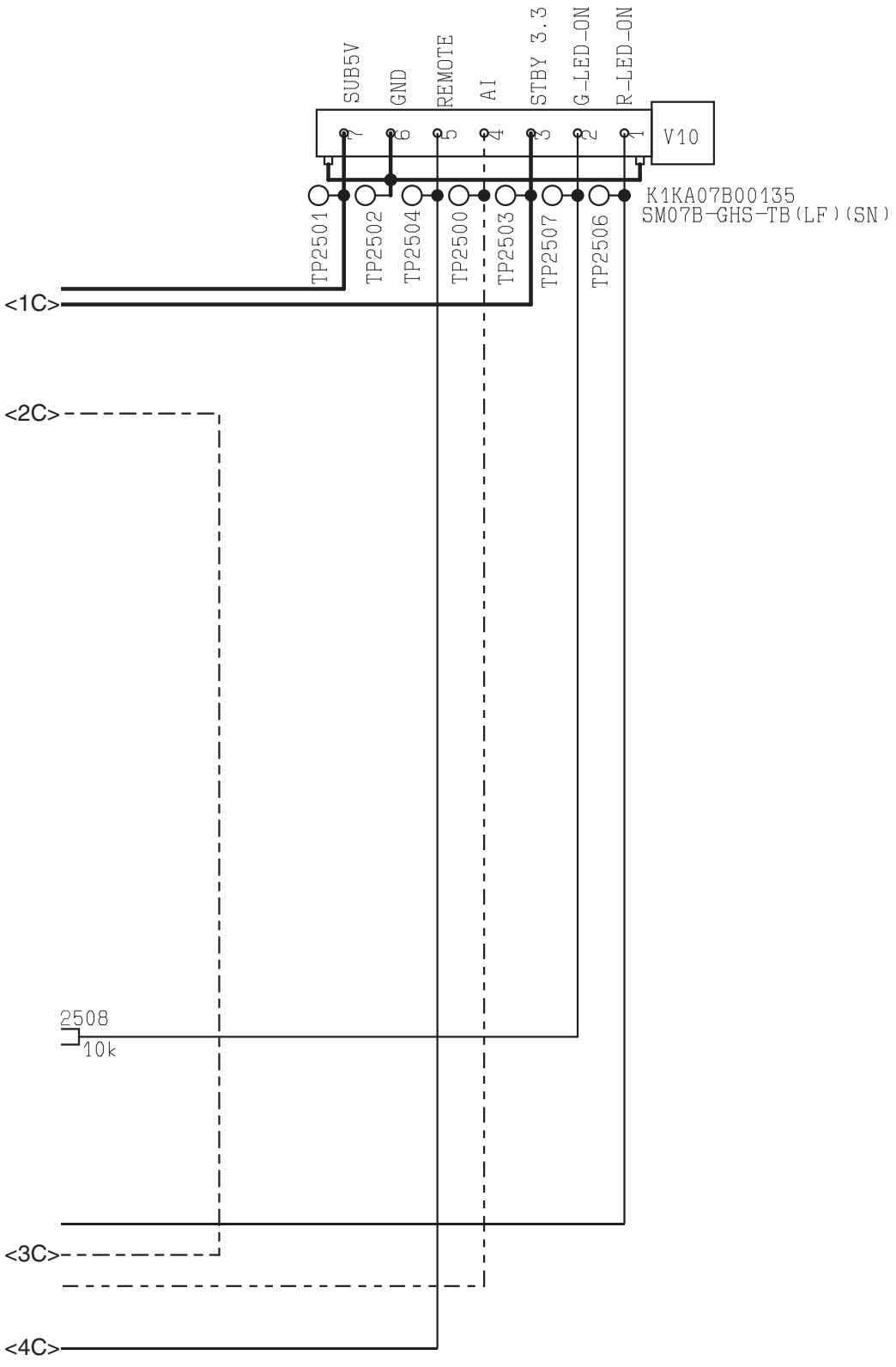
10.5.2. PLACA “V” - (2/4)



10.5.3. PLACA “V” - (3/4)

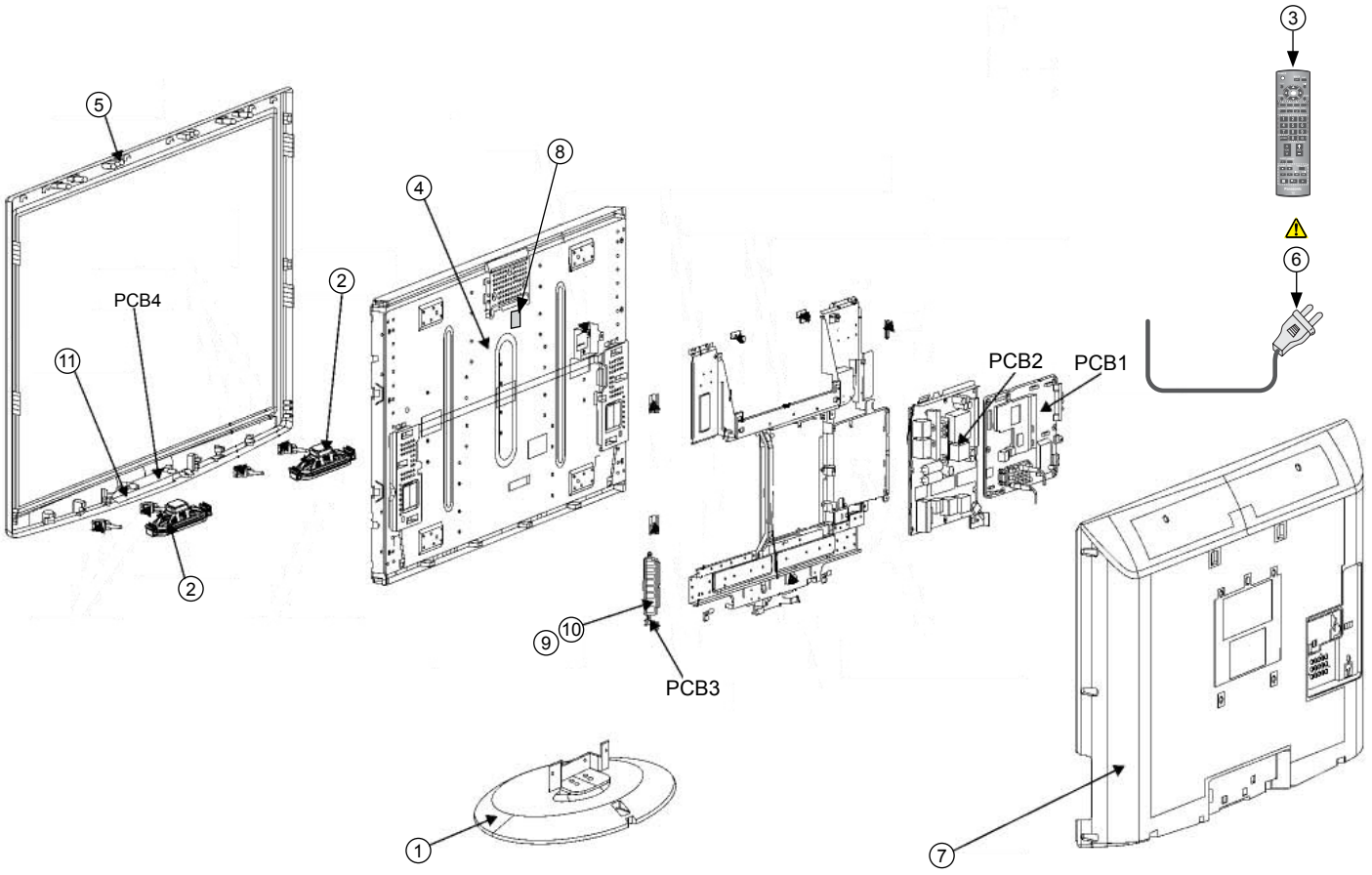


10.5.4. PLACA “V” - (4/4)



11. VISTAS EXPLODIDAS E LISTAS DE PEÇAS

11.1. VISTA EXPLODIDA DO GABINETE



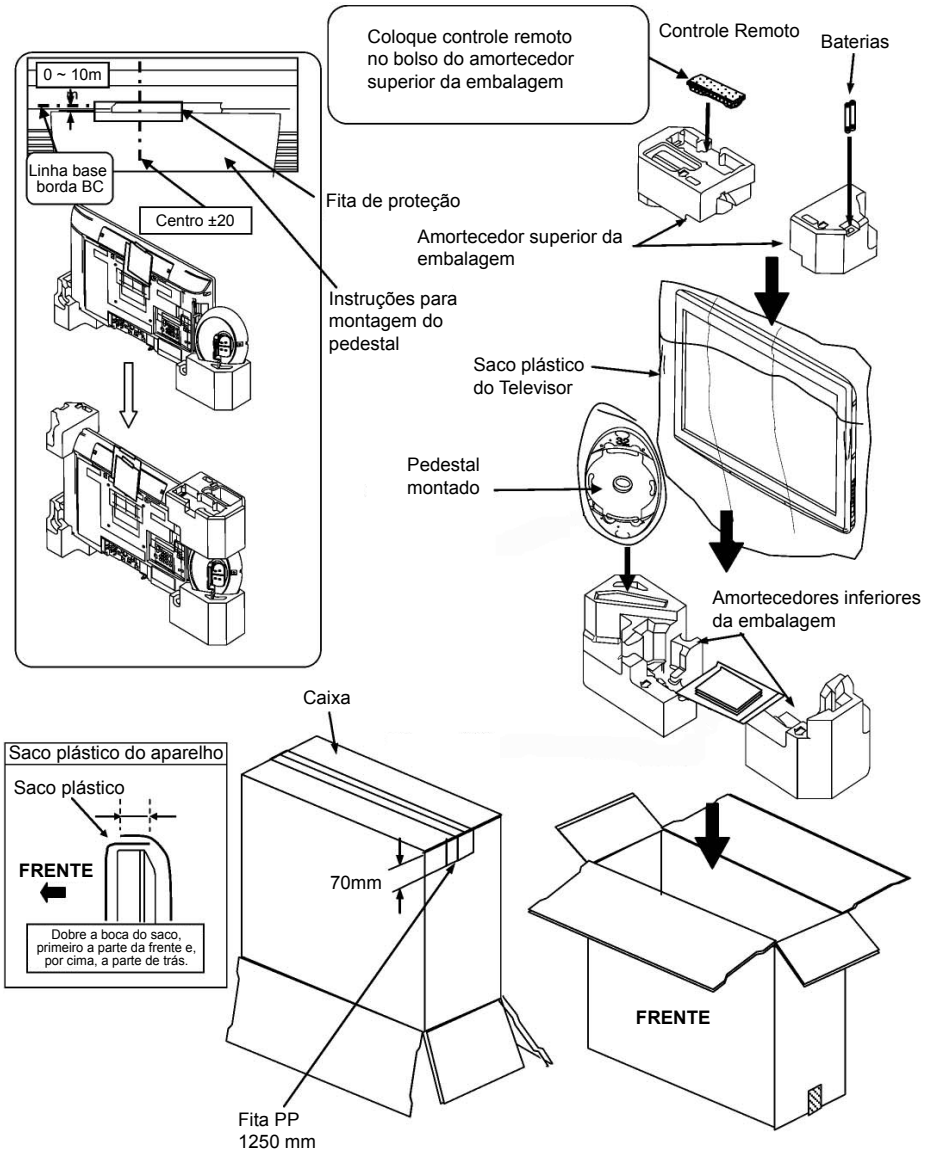
11.2. LISTA DE PEÇAS MECÂNICAS

REF.	CÓDIGO	DESCRIÇÃO
1	TBL4GA0019-CS	PEDESTAL MONTADO
2	L0AA14B00002	ALTO FALANTE FULL RANGE (LCD)
3	TNQ2B4703	CONTROLE REMOTO
4 ⚠	L5EDDAT00001	DISPLAY LCD 42 POL.
5	TTY4GA0090-CS	GABINETE COMPLETO
6 ⚠	K2CQ2YY00050	CABO AC C/ TRAVA INJETADA (BRASIL)
7	TTU4GA0234-CS	TAMPA TRASEIRA COMPLETA
8	K1PY51Y00029	CHICOTE LVDS (Tcon ~ A11)
9	TXAKP010PUN	PAINEL DE CONTROLE MONTADO
10	TBX4GA01102A	BOTÃO PLASTICO CONTROLE
11	TKK4GC5010	DIFUSOR PLÁSTICO DO LED

11.3. PLACAS MONTADAS

POSIÇÃO	CÓDIGO	DESCRIÇÃO
PCB1 ⚠	TNP4G461AN	PLACA A MONTADA
PCB2 ⚠	TNP4G465AE	PLACA P MONTADA
PCB3 ⚠	TNPA5001BN	PLACA “ K “ MONTADA
PCB4 ⚠	TNPA4834BH	PLACA V MONTADA

12.4. VISTA EXPLODIDA DOS MATERIAIS DE EMBALAGEM



12.5. NOTAS DA LISTA DE PEÇAS ELÉTRICAS

ATENÇÃO !

Este aparelho utiliza componentes especiais que consideramos importantes para a segurança de seu funcionamento. Estes componentes são identificados com a marca "⚠" nos diagramas esquemáticos, nos diagramas em blocos e nas vistas explodidas. Sempre que for necessário substituir qualquer destes componentes, utilize somente aqueles especificados nas listas de peças. Nunca modifique a especificação de qualquer componente sem a orientação da Panasonic do Brasil.

Abreviação do nome e descrição das peças

1. Resistor

Exemplo:

ERD25TJ104 C 100KΩ, J, 1/4W

Tipo Tolerância

Tipo	Tolerância
C: Carbono	F: ± 1%
F: Fusível	G: ± 2%
M: Óxido de metal	J: ± 5%
F: F. METÁLICO	K: ± 10%
S: Sólido	M: ± 20%
W: Fio	

2. Capacitor

Exemplo:

ECKF1H103ZF C 0.01UF, Z, 50V

Tipo Tolerância

Tipo	Tolerância
C: Cerâmico	C: ± 0.25pF
E: Eletrolítico	D: ± 0.5pF
P: Poliéster Polipropileno	F: ± 1pF
T: Tântalo	G: ± 3pF
	J: ± 5pF
	K: ± 10pF
	L: ± 15pF
	M: ± 20pF
	P: + 100%, – 0%
	Z: + 80%, – 20%

12.6. LISTA DE PEÇAS ELÉTRICAS

REF.	CÓDIGO	DESCRIÇÃO
CAPACITORES		
C800	F1A2E471A003	CAP. CER. DISCO 470 PF 250V 10%
C801	F0CAF224A066	CAP. POLIPR. 0,22µF 250V 20%
C803	F0CAF224A066	CAP. POLIPR. 0,22µF 250V 20%
C805	F1A2E471A003	CAP. CER. DISCO 470 PF 250V 10%
C808	F0C2H105A011	CAP. POLIPR. 1.000 nF 500V 5%
C811	ECJ1VB1H472K	CAP. CER. SMD 4,70 nF 50V 10%
C812	F1H1H104A013	CAP. CER. SMD 100 nF 50V 10%
C814	ECJ1VB1H104K	CAP. CER. SMD 100 nF 50V 10%
C815	ECJ1VB1H222K	CAP. CER. SMD 2,20 nF 50V 10%
C816	ECJ1VB1H102K	CAP. CER. SMD 1 nF 50V 10%
C818	F2A1H4700031	CAP. ELETROL. ALUM. 47µF 50V 20%
C821	ECJ2FB1E105K	CAP. CER. SMD 1µF 25V 10%
C822	ECJ1VB1H104K	CAP. CER. SMD 100 nF 50V 10%
C823	F2A1E221A487	CAP. ELETROL. 220µF 25V 20%
C824	ECJ1VB1H104K	CAP. CER. SMD 100 nF 50V 10%
C825	ECJ2FB1E105K	CAP. CER. SMD 1µF 25V 10%
C827 ⚠	ECKW3D471KBP	CAP. CER. DISCO 470 PF 2.000V 10%
C828	F2A2W1810004	CAP. ELETR. ALUM. 180µF 450V 20%
C831	F2B1H102A007	CAP. ELETROL. 1.000µF 50V 20%
C832	ECJ1VB1H104K	CAP. CER. SMD 100 nF 50V 10%
C833	F2A1H4R7A122	CAP. ELETROL. 4,70µF 50V 20%
C834	F2A1V1020043	CAP. ELETR. ALUM. 1.000µF 35V 20%
C835	F2A1V1020043	CAP. ELETR. ALUM. 1.000µF 35V 20%
C836	F1A2E101A002	CAP. CER. DISCO 100 PF 250V 10%
C837	ECJ2FB1C474K	CAP. CER. SMD 0,47µF 16V 10%
C838	F2A1H2R2A317	CAP. ELETROL. L 2,20µF 50V 20%
C840	F1J1E3340003	CAP. CER. SMD 330 nF 25V 10%
C841	F1A2E471A002	CAP. CER. DISCO 470 PF 250V 10%
C842	F2A1V221A470	CAP. ELETROL. ALUM. 220µF 35V 20%
C843	F2A1V5600014	CAP. ELETROL. 56µF 35V 20%
C845 ⚠	ECQE6333JFB	CAP. DE POLIÉSTER 33 nF 630V 5%
C846	F1H1H821A971	CAP. CER. SMD 820 PF 50V 5%
C847	ECJ1VB1H104K	CAP. CER. SMD 100 nF 50V 10%
C848	F0C2K273A035	CAP. POLIPR. 27 nF 800V 5%
C849	ECJ1VB1H104K	CAP. CER. SMD 100 nF 50V 10%
C852	F2A1E471A218	CAP. ELETROL. 470µF 25V 20%
C853	ECJ1VB1H104K	CAP. CER. SMD 100 nF 50V 10%
C856	F2A1V221A470	CAP. ELETROL. ALUM. 220µF 35V 20%
C857	ECJ1VB1H104K	CAP. CER. SMD 100 nF 50V 10%
C858	F2A1C471A537	CAP. ELETROL. 470µF 16V 20%
C861	ECJ1VB1H104K	CAP. CER. SMD 100 nF 50V 10%
C862	ECJ1VB1H104K	CAP. CER. SMD 100 nF 50V 10%
C863	F1J1H474A757	CAP. CER. SMD 0,47µF 50V 10%
C877	ECJ1VB1H104K	CAP. CER. SMD 100 nF 50V 10%
C878	ECJ1VB1H104K	CAP. CER. SMD 100 nF 50V 10%
C879	ECJ1VB1H104K	CAP. CER. SMD 100 nF 50V 10%
C885	F2A1V221A470	CAP. ELETROL. ALUM. 220µF 35V 20%
C887	ECJ1VB1H104K	CAP. CER. SMD 100 nF 50V 10%
C888	ECJ1VB1H104K	CAP. CER. SMD 100 nF 50V 10%

REF.	CÓDIGO	DESCRIÇÃO
C889	ECJ1VB1H104K	CAP. CER. SMD 100 nF 50V 10%
C890	ECJ3YB1E106M	CAP. CER. SMD 10µF 25V 20%
C891	ECJ3YB1E106M	CAP. CER. SMD 10µF 25V 20%
C894	ECJ1VB1H103K	CAP. CER. SMD 10 nF 50V 10%
C1003	F1G1H102A730	CAP. CER. SMD 1 nF 50V 10%
C1028	F1G1H102A730	CAP. CER. SMD 1 nF 50V 10%
C1030	F1G1H102A730	CAP. CER. SMD 1 nF 50V 10%
C1040	F1G1H102A730	CAP. CER. SMD 1 nF 50V 10%
C1041	F1G1H102A730	CAP. CER. SMD 1 nF 50V 10%
C1043	F1G1H102A730	CAP. CER. SMD 1 nF 50V 10%
C1044	F1G1H102A730	CAP. CER. SMD 1 nF 50V 10%
C1045	F1G1H102A730	CAP. CER. SMD 1 nF 50V 10%
C1050	F1G1H102A730	CAP. CER. SMD 1 nF 50V 10%
C1051	F1G1H102A730	CAP. CER. SMD 1 nF 50V 10%
C1053	F1G1H102A730	CAP. CER. SMD 1 nF 50V 10%
C1102	F1J1A106A043	CAP. CER. SMD 10µF 10V
C1103	F1G1C104A116	CAP. CER. SMD 100 nF 16V 10%
C1104	F1G1C104A116	CAP. CER. SMD 100 nF 16V 10%
C1105	F1H1A1050032	CAP. CER. SMD 1µF 10V 10%
C1106	F1H1H330A971	CAP. CER. SMD 33 PF 50V 5%
C1107	F1G1H220A731	CAP. CER. SMD 22 PF 50V 5%
C1108	F1G1C104A116	CAP. CER. SMD 100 nF 16V 10%
C1109	F1H1A1050032	CAP. CER. SMD 1µF 10V 10%
C1111	F1H1A1050032	CAP. CER. SMD 1µF 10V 10%
C1112	F1G1C104A116	CAP. CER. SMD 100 nF 16V 10%
C1114	F1G1C104A116	CAP. CER. SMD 100 nF 16V 10%
C1117	F1G1C104A116	CAP. CER. SMD 100 nF 16V 10%
C1122	F1G1E103A123	CAP. CER. SMD 10 nF 25V 10%
C1123	F1H1A1050032	CAP. CER. SMD 1µF 10V 10%
C2023	F1G1C104A116	CAP. CER. SMD 100 nF 16V 10%
C2049	F1G1C104A116	CAP. CER. SMD 100 nF 16V 10%
C2050	F1G1C104A116	CAP. CER. SMD 100 nF 16V 10%
C2055	F1G1H120A731	CAP. CER. SMD 12 PF 50V 5%
C2056	F1G1H180A731	CAP. CER. SMD 18 PF 50V 5%
C2058	F1G1C104A116	CAP. CER. SMD 100 nF 16V 10%
C2059	F1J1A106A043	CAP. CER. SMD 10µF 10V
C2091	F1G1H470A731	CAP. CER. SMD 47 PF 50V 5%
C2092	F1G1H220A731	CAP. CER. SMD 22 PF 50V 5%
C2096	F1G1C104A116	CAP. CER. SMD 100 nF 16V 10%
C2098	EEEHB0J221UP	CAP. ELETROL. SMD 220µF 6,3V 20%
C2099	EEEHB0J221UP	CAP. ELETROL. SMD 220µF 6,3V 20%
C2102	F1G1C104A116	CAP. CER. SMD 100 nF 16V 10%
C2105	F1G1C104A116	CAP. CER. SMD 100 nF 16V 10%
C2106	F1G1C104A116	CAP. CER. SMD 100 nF 16V 10%
C2107	F1J1A106A043	CAP. CER. SMD 10µF 10V
C2108	F1J1A106A043	CAP. CER. SMD 10µF 10V
C2109	F1G1C104A116	CAP. CER. SMD 100 nF 16V 10%
C2110	F1G1C104A116	CAP. CER. SMD 100 nF 16V 10%
C2111	F1J1A475A039	CAP. CER. SMD 4,70µF 10V 10%
C2112	F1J1A106A043	CAP. CER. SMD 10µF 10V

REF.	CÓDIGO	DESCRIÇÃO
C2113	F1J1A106A043	CAP. CER. SMD 10µF 10V
C2114	F1G1C104A116	CAP. CER. SMD 100 nF 16V 10%
C2115	F1G1C104A116	CAP. CER. SMD 100 nF 16V 10%
C2117	F1G1C104A116	CAP. CER. SMD 100 nF 16V 10%
C2118	F1J1A475A039	CAP. CER. SMD 4,70µF 10V 10%
C2120	F1G1H560A731	CAP. CER. SMD 56 PF 50V 5%
C2121	F1G1H560A731	CAP. CER. SMD 56 PF 50V 5%
C2122	F1G1C103A116	CAP. CER. SMD 10 nF 16V 10%
C2123	F1G1C103A116	CAP. CER. SMD 10 nF 16V 10%
C2124	F1G1C104A116	CAP. CER. SMD 100 nF 16V 10%
C2125	F1G1C103A116	CAP. CER. SMD 10 nF 16V 10%
C2127	F1G1C103A116	CAP. CER. SMD 10 nF 16V 10%
C2128	F1G1C103A116	CAP. CER. SMD 10 nF 16V 10%
C2129	F1G1C103A116	CAP. CER. SMD 10 nF 16V 10%
C2135	F1G1C103A116	CAP. CER. SMD 10 nF 16V 10%
C2136	F1G1C103A116	CAP. CER. SMD 10 nF 16V 10%
C2137	F1J1A106A043	CAP. CER. SMD 10µF 10V
C2192	F1J1A106A043	CAP. CER. SMD 10µF 10V
C2216	F1G1C104A116	CAP. CER. SMD 100 nF 16V 10%
C2244	F1G1C104A116	CAP. CER. SMD 100 nF 16V 10%
C2245	F1G1H102A730	CAP. CER. SMD 1 nF 50V 10%
C2251	F1J1A106A043	CAP. CER. SMD 10µF 10V
C2261	F1J1A106A043	CAP. CER. SMD 10µF 10V
C2262	F1J1A106A043	CAP. CER. SMD 10µF 10V
C2263	F1J1A106A043	CAP. CER. SMD 10µF 10V
C2264	F1J1A106A043	CAP. CER. SMD 10µF 10V
C2301	F1G1C104A116	CAP. CER. SMD 100 nF 16V 10%
C2302	F1G1C104A116	CAP. CER. SMD 100 nF 16V 10%
C2303	F1J1E105A171	CAP. CER. SMD 1µF 25V 10%
C2305	F1J1E105A171	CAP. CER. SMD 1µF 25V 10%
C2309	F1J1E105A171	CAP. CER. SMD 1µF 25V 10%
C2313	F1H1A1050032	CAP. CER. SMD 1µF 10V 10%
C2317	F1H1H104A970	CAP. CER. SMD 100 nF 50V 10%
C2319	F1H1H104A970	CAP. CER. SMD 100 nF 50V 10%
C2321	F1H1H104A970	CAP. CER. SMD 100 nF 50V 10%
C2323	F1H1H104A970	CAP. CER. SMD 100 nF 50V 10%
C2325	F1J1H474A757	CAP. CER. SMD 0,47µF 50V 10%
C2331	F1J1H474A757	CAP. CER. SMD 0,47µF 50V 10%
C2333	F1H1E104A129	CAP. CER. SMD 100 nF 25V
C2335	F1H1E104A129	CAP. CER. SMD 100 nF 25V
C2337	F1H1H223A970	CAP. CER. SMD 22 nF 50V 10%
C2339	F1H1H223A970	CAP. CER. SMD 22 nF 50V 10%
C2341	F1H1E104A129	CAP. CER. SMD 100 nF 25V
C2343	F1H1E104A129	CAP. CER. SMD 100 nF 25V
C2345	F1H1H223A970	CAP. CER. SMD 22 nF 50V 10%
C2347	F1H1H223A970	CAP. CER. SMD 22 nF 50V 10%
C2353	F1G1H102A730	CAP. CER. SMD 1 nF 50V 10%
C2359	F1G1H102A730	CAP. CER. SMD 1 nF 50V 10%
C2361	F2G1E4710007	CAP. ELETROL. ALUM. 470µF 25V 20%
C2362	F1K1E106A136	CAP. CER. SMD 10µF 25V 10%
C2375	F1H1H223A970	CAP. CER. SMD 22 nF 50V 10%

REF.	CÓDIGO	DESCRIÇÃO
C2377	F1H1H223A970	CAP. CER. SMD 22 nF 50V 10%
C2379	F1H1H223A970	CAP. CER. SMD 22 nF 50V 10%
C2381	F1H1H223A970	CAP. CER. SMD 22 nF 50V 10%
C2383	F1G1H102A730	CAP. CER. SMD 1 nF 50V 10%
C2385	F1G1H102A730	CAP. CER. SMD 1 nF 50V 10%
C2387	F1G1H102A730	CAP. CER. SMD 1 nF 50V 10%
C2389	F1G1H102A730	CAP. CER. SMD 1 nF 50V 10%
C2390	F1J1E105A171	CAP. CER. SMD 1µF 25V 10%
C2501	F2G0J470A019	CAP. ELETROL. ALUM. 47µF 6,3V 20%
C2502	F1G1C103A116	CAP. CER. SMD 10 nF 16V 10%
C2505	F1G1A104A053	CAP. CER. SMD 0,10µF 10V 10%
C2506	F1J1A106A043	CAP. CER. SMD 10µF 10V
C2512	F1J1A106A043	CAP. CER. SMD 10µF 10V
C2750	F1G1C104A116	CAP. CER. SMD 100 nF 16V 10%
C2754	F1G1H102A730	CAP. CER. SMD 1 nF 50V 10%
C2755	F1G1H102A730	CAP. CER. SMD 1 nF 50V 10%
C2756	F1G1H102A730	CAP. CER. SMD 1 nF 50V 10%
C2758	F1H1E104A129	CAP. CER. SMD 100 nF 25V
C2759	F1G1C104A116	CAP. CER. SMD 100 nF 16V 10%
C2760	F1K1C1060004	CAP. CER. SMD 10µF 16V 10%
C2763	F1G1H102A730	CAP. CER. SMD 1 nF 50V 10%
C2765	F1H1E104A129	CAP. CER. SMD 100 nF 25V
C2766	F1G1C104A116	CAP. CER. SMD 100 nF 16V 10%
C2767	F1G1C104A116	CAP. CER. SMD 100 nF 16V 10%
C2906	F1H1C104A143	CAP. CER. SMD 100 nF 16V 10%
C2907	F1H1C104A143	CAP. CER. SMD 100 nF 16V 10%
C2908	F1G1C104A116	CAP. CER. SMD 100 nF 16V 10%
C2909	F1H1A1050032	CAP. CER. SMD 1µF 10V 10%
C2912	F2G0J101A019	CAP. ELETROL. SMD 100µF 6,3V 20%
C2914	F1H1H104A970	CAP. CER. SMD 100 nF 50V 10%
C2916	F1H1C104A143	CAP. CER. SMD 100 nF 16V 10%
C2919	F1H1C104A143	CAP. CER. SMD 100 nF 16V 10%
C2920	F1H1H103A970	CAP. CER. SMD 10 nF 50V 10%
C2922	F1H1C104A143	CAP. CER. SMD 100 nF 16V 10%
C2928	F1G1H102A730	CAP. CER. SMD 1 nF 50V 10%
C2940	F1G1H102A730	CAP. CER. SMD 1 nF 50V 10%
C3002	F1G1H561A730	CAP. CER. SMD 560 PF 50V 10%
C3003	F1G1H561A730	CAP. CER. SMD 560 PF 50V 10%
C3007	F1G1H561A730	CAP. CER. SMD 560 PF 50V 10%
C3008	F1G1H561A730	CAP. CER. SMD 560 PF 50V 10%
C3013	F1G1H561A730	CAP. CER. SMD 560 PF 50V 10%
C3014	F1G1H561A730	CAP. CER. SMD 560 PF 50V 10%
C3022	F1H1A1050032	CAP. CER. SMD 1µF 10V 10%
C3024	F1H1A1050032	CAP. CER. SMD 1µF 10V 10%
C3039	F1H1A1050032	CAP. CER. SMD 1µF 10V 10%
C3041	F1H1A1050032	CAP. CER. SMD 1µF 10V 10%
C3043	F1H1A1050032	CAP. CER. SMD 1µF 10V 10%
C3044	F1H1A1050032	CAP. CER. SMD 1µF 10V 10%
C3046	F1H1A1050032	CAP. CER. SMD 1µF 10V 10%
C3047	F1H1A1050032	CAP. CER. SMD 1µF 10V 10%
C3073	F1J1A106A043	CAP. CER. SMD 10µF 10V

REF.	CÓDIGO	DESCRIÇÃO
C3074	F1J1A106A043	CAP. CER. SMD 10µF 10V
C3075	F1H1A1050032	CAP. CER. SMD 1µF 10V 10%
C3077	F1G1C104A116	CAP. CER. SMD 100 nF 16V 10%
C3078	F1J1A106A043	CAP. CER. SMD 10µF 10V
C3083	F1J1A106A043	CAP. CER. SMD 10µF 10V
C3084	F1J1A106A043	CAP. CER. SMD 10µF 10V
C3085	F1J1A106A043	CAP. CER. SMD 10µF 10V
C3086	F1J1A106A043	CAP. CER. SMD 10µF 10V
C3090	F1J1A106A043	CAP. CER. SMD 10µF 10V
C3091	F1J1A106A043	CAP. CER. SMD 10µF 10V
C3092	F1J1A106A043	CAP. CER. SMD 10µF 10V
C3095	F2G1A101A019	CAP. ELETROL. ALUM. 100µF 10V 20%
C3099	F1G1H561A730	CAP. CER. SMD 560 PF 50V 10%
C3100	F1G1E333A091	CAP. CER. SMD 33 nF 25V 10%
C3101	F1G1E333A091	CAP. CER. SMD 33 nF 25V 10%
C3103	F2G1A101A019	CAP. ELETROL. ALUM. 100µF 10V 20%
C3107	F1J1A106A043	CAP. CER. SMD 10µF 10V
C3108	F1J1A106A043	CAP. CER. SMD 10µF 10V
C3109	F1J1A106A043	CAP. CER. SMD 10µF 10V
C3114	F1J1A106A043	CAP. CER. SMD 10µF 10V
C3115	F1J1A106A043	CAP. CER. SMD 10µF 10V
C3116	F1J1A106A043	CAP. CER. SMD 10µF 10V
C3117	F1J1A106A043	CAP. CER. SMD 10µF 10V
C3139	F1G1C104A116	CAP. CER. SMD 100 nF 16V 10%
C3140	F1G1C104A116	CAP. CER. SMD 100 nF 16V 10%
C3141	F1G1C104A116	CAP. CER. SMD 100 nF 16V 10%
C3143	F1G1C104A116	CAP. CER. SMD 100 nF 16V 10%
C3144	F1J1A106A043	CAP. CER. SMD 10µF 10V
C3145	F1G1C104A116	CAP. CER. SMD 100 nF 16V 10%
C3146	F1J1A106A043	CAP. CER. SMD 10µF 10V
C3147	F1J1A106A043	CAP. CER. SMD 10µF 10V
C3257	F1G1H561A730	CAP. CER. SMD 560 PF 50V 10%
C4239	F1J1A106A043	CAP. CER. SMD 10µF 10V
C4240	F1J1A106A043	CAP. CER. SMD 10µF 10V
C4241	F2G0J220A019	CAP. ELETROL. ALUM. 22µF 6,3V 20%
C4243	F1G1C104A116	CAP. CER. SMD 100 nF 16V 10%
C4250	F1H1H103A970	CAP. CER. SMD 10 nF 50V 10%
C4251	F1H1H103A970	CAP. CER. SMD 10 nF 50V 10%
C4252	F2G1C470A022	CAP. ELETROL. ALUM. 47µF 16V 20%
C4500	F1G1C104A116	CAP. CER. SMD 100 nF 16V 10%
C4501	F1G1C104A116	CAP. CER. SMD 100 nF 16V 10%
C4502	F1G1C104A116	CAP. CER. SMD 100 nF 16V 10%
C4503	F1G1C104A116	CAP. CER. SMD 100 nF 16V 10%
C4533	F1G1H680A731	CAP. CER. SMD 68 PF 50V 5%
C4534	F1G1C104A116	CAP. CER. SMD 100 nF 16V 10%
C4535	F1G1C104A116	CAP. CER. SMD 100 nF 16V 10%
C4537	F1G1C104A116	CAP. CER. SMD 100 nF 16V 10%
C4547	F1G1C104A116	CAP. CER. SMD 100 nF 16V 10%
C4548	F1G1C104A116	CAP. CER. SMD 100 nF 16V 10%
C4549	F1G1C104A116	CAP. CER. SMD 100 nF 16V 10%
C4550	F1G1C104A116	CAP. CER. SMD 100 nF 16V 10%

REF.	CÓDIGO	DESCRIÇÃO
C4551	F1G1C104A116	CAP. CER. SMD 100 nF 16V 10%
C4552	F1G1C104A116	CAP. CER. SMD 100 nF 16V 10%
C4553	F1G1H102A730	CAP. CER. SMD 1 nF 50V 10%
C4554	F2G1C470A022	CAP. ELETROL. ALUM. 47µF 16V 20%
C4555	F1J1A106A043	CAP. CER. SMD 10µF 10V
C4567	F1G1C104A116	CAP. CER. SMD 100 nF 16V 10%
C4574	F1G1C104A116	CAP. CER. SMD 100 nF 16V 10%
C4575	F1G1C104A116	CAP. CER. SMD 100 nF 16V 10%
C4580	F1G1C104A116	CAP. CER. SMD 100 nF 16V 10%
C4585	F1G1C104A116	CAP. CER. SMD 100 nF 16V 10%
C4595	F1G1C104A116	CAP. CER. SMD 100 nF 16V 10%
C4598	F1J1A106A043	CAP. CER. SMD 10µF 10V
C4599	F1J1A106A043	CAP. CER. SMD 10µF 10V
C4600	F1G1C104A116	CAP. CER. SMD 100 nF 16V 10%
C4601	F1J1A106A043	CAP. CER. SMD 10µF 10V
C4602	F1G1C104A116	CAP. CER. SMD 100 nF 16V 10%
C4603	F1J1A475A039	CAP. CER. SMD 4,70µF 10V 10%
C4605	F1J1A475A039	CAP. CER. SMD 4,70µF 10V 10%
C4606	F1J1A475A039	CAP. CER. SMD 4,70µF 10V 10%
C4607	F1J1A475A039	CAP. CER. SMD 4,70µF 10V 10%
C4608	F1G1C104A116	CAP. CER. SMD 100 nF 16V 10%
C4613	F1H0J1050012	CAP. CER. SMD 1µF 6,3V 10%
C4616	F1J1A475A039	CAP. CER. SMD 4,70µF 10V 10%
C4617	F1J1A475A039	CAP. CER. SMD 4,70µF 10V 10%
C4624	F1G1C104A116	CAP. CER. SMD 100 nF 16V 10%
C4625	F1G1C104A116	CAP. CER. SMD 100 nF 16V 10%
C4626	F1G1C104A116	CAP. CER. SMD 100 nF 16V 10%
C4628	F1G1C104A116	CAP. CER. SMD 100 nF 16V 10%
C4629	F1G1C104A116	CAP. CER. SMD 100 nF 16V 10%
C4630	F1G1C104A116	CAP. CER. SMD 100 nF 16V 10%
C4631	F1J1A106A043	CAP. CER. SMD 10µF 10V
C4632	F1G1C104A116	CAP. CER. SMD 100 nF 16V 10%
C4633	F1J1A106A043	CAP. CER. SMD 10µF 10V
C4634	F1G1C104A116	CAP. CER. SMD 100 nF 16V 10%
C4635	F1J1A106A043	CAP. CER. SMD 10µF 10V
C4636	F1G1C104A116	CAP. CER. SMD 100 nF 16V 10%
C4637	F1G1C104A116	CAP. CER. SMD 100 nF 16V 10%
C4638	F1G1C104A116	CAP. CER. SMD 100 nF 16V 10%
C4640	F1G1C104A116	CAP. CER. SMD 100 nF 16V 10%
C4642	F1G1C104A116	CAP. CER. SMD 100 nF 16V 10%
C4643	F1G1C104A116	CAP. CER. SMD 100 nF 16V 10%
C4644	F1G1C104A116	CAP. CER. SMD 100 nF 16V 10%
C4645	F1G1C104A116	CAP. CER. SMD 100 nF 16V 10%
C4702	F1G1C104A116	CAP. CER. SMD 100 nF 16V 10%
C4703	F1G1C104A116	CAP. CER. SMD 100 nF 16V 10%
C5408	F1J1A106A043	CAP. CER. SMD 10µF 10V
C5410	F1J1E105A171	CAP. CER. SMD 1µF 25V 10%
C5414	F1J1E105A171	CAP. CER. SMD 1µF 25V 10%
C5415	F1J1E105A171	CAP. CER. SMD 1µF 25V 10%
C5421	F1J1A106A043	CAP. CER. SMD 10µF 10V
C5431	F1J1E105A171	CAP. CER. SMD 1µF 25V 10%

REF.	CÓDIGO	DESCRIÇÃO
C5443	F2G1V100A020	CAP. ELETROL. ALUM. 10µF 35V 20%
C5444	F1H1H102A970	CAP. CER. SMD 1 nF 50V 10%
C5445	ECJ3YB1C106M	CAP. CER. SMD 10µF 16V 20%
C5446	F1J1H474A757	CAP. CER. SMD 0,47µF 50V 10%
C5447	F1J1H474A757	CAP. CER. SMD 0,47µF 50V 10%
C5464	F1H1A1050032	CAP. CER. SMD 1µF 10V 10%
C5480	F1G1C103A116	CAP. CER. SMD 10 nF 16V 10%
C5481	F1H1A1050032	CAP. CER. SMD 1µF 10V 10%
C5483	F1J1A106A043	CAP. CER. SMD 10µF 10V
C5486	F1G1C473A081	CAP. CER. SMD 47 nF 16V 10%
C5487	F1H1C105A008	CAP. CER. SMD 1µF 16V
C5488	F1G1C473A081	CAP. CER. SMD 47 nF 16V 10%
C5489	F1J1A106A043	CAP. CER. SMD 10µF 10V
C5492	F1G1C104A116	CAP. CER. SMD 100 nF 16V 10%
C5493	F1H1A1050032	CAP. CER. SMD 1µF 10V 10%
C5494	F1H1C105A145	CAP. CER. SMD 1.000 nF 16V 10%
C5602	F2H0J1010009	CAP. ELETROL. ALUM. 100µF 6,3V 20%
C5603	F1G1C104A116	CAP. CER. SMD 100 nF 16V 10%
C5604	ECJ0EB1E682K	CAP. CER. SMD 6,80 PF 25V 10%
C5605	F1J1A475A039	CAP. CER. SMD 4,70µF 10V 10%
C5606	F1H1C105A145	CAP. CER. SMD 1.000 nF 16V 10%
C5607	ECJ0EB1E272K	CAP. CER. SMD 2,70 nF 25V 10%
C5611	F1K1C1060004	CAP. CER. SMD 10µF 16V 10%
C5612	F1K1C1060004	CAP. CER. SMD 10µF 16V 10%
C5615	F1K1C1060004	CAP. CER. SMD 10µF 16V 10%
C5616	F1G1C273A081	CAP. CER. SMD 27 nF 16V 10%
C5618	F1K1C1060004	CAP. CER. SMD 10µF 16V 10%
C5619	F1K1C1060004	CAP. CER. SMD 10µF 16V 10%
C5620	F1H1C104A143	CAP. CER. SMD 100 nF 16V 10%
C5621	F1G1E103A123	CAP. CER. SMD 10 nF 25V 10%
C5622	F1J1A475A039	CAP. CER. SMD 4,70µF 10V 10%
C5623	ECJ0EB1E272K	CAP. CER. SMD 2,70 nF 25V 10%
C5624	ECJ0EB1E332K	CAP. CER. SMD 3,30 nF 25V 10%
C5626	F1G1C104A116	CAP. CER. SMD 100 nF 16V 10%
C5627	F1G1C104A116	CAP. CER. SMD 100 nF 16V 10%
C5628	ECGRL0E680ER	CAP. ELETROL. SMD 68µF 4V
C5629	ECGRL0E680ER	CAP. ELETROL. SMD 68µF 4V
C5631	F2G1C470A022	CAP. ELETROL. ALUM. 47µF 16V 20%
C5632	F1H1C105A145	CAP. CER. SMD 1.000 nF 16V 10%
C5636	F1G1C104A116	CAP. CER. SMD 100 nF 16V 10%
C5637	F1G1C104A116	CAP. CER. SMD 100 nF 16V 10%
C5638	F1G1C104A116	CAP. CER. SMD 100 nF 16V 10%
C5639	F1G1C104A116	CAP. CER. SMD 100 nF 16V 10%
C5640	F1G1C104A116	CAP. CER. SMD 100 nF 16V 10%
C5641	F1G1C104A116	CAP. CER. SMD 100 nF 16V 10%
C5642	F1K1C1060004	CAP. CER. SMD 10µF 16V 10%
C5643	F1H1C104A143	CAP. CER. SMD 100 nF 16V 10%
C5644	F1H1C105A145	CAP. CER. SMD 1.000 nF 16V 10%
C8003	F1H0J1050012	CAP. CER. SMD 1µF 6,3V 10%
C8005	F1H0J1050012	CAP. CER. SMD 1µF 6,3V 10%
C8006	F1G1C104A116	CAP. CER. SMD 100 nF 16V 10%

REF.	CÓDIGO	DESCRIÇÃO
C8007	F1G1C104A116	CAP. CER. SMD 100 nF 16V 10%
C8008	F1G1C104A116	CAP. CER. SMD 100 nF 16V 10%
C8009	F1J1A106A043	CAP. CER. SMD 10µF 10V
C8010	F1J1A106A043	CAP. CER. SMD 10µF 10V
C8011	F1G1C104A116	CAP. CER. SMD 100 nF 16V 10%
C8012	F1G1C104A116	CAP. CER. SMD 100 nF 16V 10%
C8013	F1G1C104A116	CAP. CER. SMD 100 nF 16V 10%
C8014	F1G1C104A116	CAP. CER. SMD 100 nF 16V 10%
C8015	F1H0J1050012	CAP. CER. SMD 1µF 6,3V 10%
C8016	F1H0J1050012	CAP. CER. SMD 1µF 6,3V 10%
C8017	F1J1A106A043	CAP. CER. SMD 10µF 10V
C8018	F1G1C104A116	CAP. CER. SMD 100 nF 16V 10%
C8019	F1G1C104A116	CAP. CER. SMD 100 nF 16V 10%
C8020	F1G1C104A116	CAP. CER. SMD 100 nF 16V 10%
C8021	F1G1C104A116	CAP. CER. SMD 100 nF 16V 10%
C8022	F1H0J1050012	CAP. CER. SMD 1µF 6,3V 10%
C8023	F1J1A106A043	CAP. CER. SMD 10µF 10V
C8024	F1J1A106A043	CAP. CER. SMD 10µF 10V
C8025	F1G1C104A116	CAP. CER. SMD 100 nF 16V 10%
C8026	F1G1C104A116	CAP. CER. SMD 100 nF 16V 10%
C8027	F1G1C104A116	CAP. CER. SMD 100 nF 16V 10%
C8028	F1G1C104A116	CAP. CER. SMD 100 nF 16V 10%
C8029	F1G1C104A116	CAP. CER. SMD 100 nF 16V 10%
C8030	F1H0J1050012	CAP. CER. SMD 1µF 6,3V 10%
C8031	F1H0J1050012	CAP. CER. SMD 1µF 6,3V 10%
C8032	F1J1A106A043	CAP. CER. SMD 10µF 10V
C8033	F1G1C104A116	CAP. CER. SMD 100 nF 16V 10%
C8034	F1G1C104A116	CAP. CER. SMD 100 nF 16V 10%
C8035	F1J1A106A043	CAP. CER. SMD 10µF 10V
C8036	F1J1A106A043	CAP. CER. SMD 10µF 10V
C8037	F1G1C104A116	CAP. CER. SMD 100 nF 16V 10%
C8038	F1G1C104A116	CAP. CER. SMD 100 nF 16V 10%
C8039	F1G1C104A116	CAP. CER. SMD 100 nF 16V 10%
C8040	F1G1C104A116	CAP. CER. SMD 100 nF 16V 10%
C8041	F1G1C104A116	CAP. CER. SMD 100 nF 16V 10%
C8042	ECGRL0G680ER	CAP. ELETROL. SMD 68µF 4V
C8043	F1G1C104A116	CAP. CER. SMD 100 nF 16V 10%
C8044	F1G1C104A116	CAP. CER. SMD 100 nF 16V 10%
C8045	F1G1C104A116	CAP. CER. SMD 100 nF 16V 10%
C8046	F1G1C104A116	CAP. CER. SMD 100 nF 16V 10%
C8047	F1G1C104A116	CAP. CER. SMD 100 nF 16V 10%
C8048	F1G1C104A116	CAP. CER. SMD 100 nF 16V 10%
C8049	F1G1C104A116	CAP. CER. SMD 100 nF 16V 10%
C8050	F1G1C104A116	CAP. CER. SMD 100 nF 16V 10%
C8051	F1G1C104A116	CAP. CER. SMD 100 nF 16V 10%
C8052	F1H0J1050012	CAP. CER. SMD 1µF 6,3V 10%
C8053	F1G1C103A116	CAP. CER. SMD 10 nF 16V 10%
C8054	F1G1H120A731	CAP. CER. SMD 12 PF 50V 5%
C8055	F1G1HR50A577	CAP. CER. SMD 0,50 PF 50V
C8056	F1G1C104A116	CAP. CER. SMD 100 nF 16V 10%
C8057	F1G1C104A116	CAP. CER. SMD 100 nF 16V 10%

REF.	CÓDIGO	DESCRIÇÃO
C8058	F1J1A106A043	CAP. CER. SMD 10µF 10V
C8063	F1H0J1050012	CAP. CER. SMD 1µF 6,3V 10%
C8064	F1H0J1050012	CAP. CER. SMD 1µF 6,3V 10%
C8065	F1G1C104A116	CAP. CER. SMD 100 nF 16V 10%
C8067	F1G1C104A116	CAP. CER. SMD 100 nF 16V 10%
C8069	F1G1H102A730	CAP. CER. SMD 1 nF 50V 10%
C8070	F1G1C104A116	CAP. CER. SMD 100 nF 16V 10%
C8071	F1G1C104A116	CAP. CER. SMD 100 nF 16V 10%
C8072	F1G1C104A116	CAP. CER. SMD 100 nF 16V 10%
C8073	F1G1C104A116	CAP. CER. SMD 100 nF 16V 10%
C8074	F1G1C104A116	CAP. CER. SMD 100 nF 16V 10%
C8075	F1J1A106A043	CAP. CER. SMD 10µF 10V
C8076	F1G1C104A116	CAP. CER. SMD 100 nF 16V 10%
C8077	F1G1C104A116	CAP. CER. SMD 100 nF 16V 10%
C8078	F1G1C104A116	CAP. CER. SMD 100 nF 16V 10%
C8079	F1G1C104A116	CAP. CER. SMD 100 nF 16V 10%
C8080	F1G1C104A116	CAP. CER. SMD 100 nF 16V 10%
C8081	F1G1C104A116	CAP. CER. SMD 100 nF 16V 10%
C8082	F1G1H102A730	CAP. CER. SMD 1 nF 50V 10%
C8083	F1G1C104A116	CAP. CER. SMD 100 nF 16V 10%
C8084	F1G1H102A730	CAP. CER. SMD 1 nF 50V 10%
C8085	F1G1C104A116	CAP. CER. SMD 100 nF 16V 10%
C8086	F1G1C104A116	CAP. CER. SMD 100 nF 16V 10%
C8087	F1G1C104A116	CAP. CER. SMD 100 nF 16V 10%
C8088	F1G1C104A116	CAP. CER. SMD 100 nF 16V 10%
C8089	F1G1C104A116	CAP. CER. SMD 100 nF 16V 10%
C8090	F1G1C104A116	CAP. CER. SMD 100 nF 16V 10%
C8092	F1G1C104A116	CAP. CER. SMD 100 nF 16V 10%
C8093	F1G1C104A116	CAP. CER. SMD 100 nF 16V 10%
C8094	F1G1C104A116	CAP. CER. SMD 100 nF 16V 10%
C8095	F1G1C104A116	CAP. CER. SMD 100 nF 16V 10%
C8096	F1G1C104A116	CAP. CER. SMD 100 nF 16V 10%
C8097	F1G1C104A116	CAP. CER. SMD 100 nF 16V 10%
C8098	F1G1C104A116	CAP. CER. SMD 100 nF 16V 10%
C8099	F1G1C104A116	CAP. CER. SMD 100 nF 16V 10%
C8100	F1G1C104A116	CAP. CER. SMD 100 nF 16V 10%
C8101	F1G1C104A116	CAP. CER. SMD 100 nF 16V 10%
C8102	F1G1C104A116	CAP. CER. SMD 100 nF 16V 10%
C8201	F1G1C104A116	CAP. CER. SMD 100 nF 16V 10%
C8202	F1G1C104A116	CAP. CER. SMD 100 nF 16V 10%
C8508	F1G1C103A116	CAP. CER. SMD 10 nF 16V 10%
C8510	F1J1A106A043	CAP. CER. SMD 10µF 10V
C8532	F2G1C470A022	CAP. ELETROL. ALUM. 47µF 16V 20%
C8533	F1G1C104A116	CAP. CER. SMD 100 nF 16V 10%
C8535	F1G1C103A116	CAP. CER. SMD 10 nF 16V 10%
C8544	F1J0G2260001	CAP. CER. SMD 22µF 4V 20%
C8580	F1G1C104A116	CAP. CER. SMD 100 nF 16V 10%
C8581	F1G1C104A116	CAP. CER. SMD 100 nF 16V 10%
C8582	F1G1C104A116	CAP. CER. SMD 100 nF 16V 10%
C8583	F1G1C104A116	CAP. CER. SMD 100 nF 16V 10%
C8584	F1G1C104A116	CAP. CER. SMD 100 nF 16V 10%

REF.	CÓDIGO	DESCRIÇÃO
C8953	F1G1H102A730	CAP. CER. SMD 1 nF 50V 10%
DIODOS		
D800	B0FBAT000008	DIODO RETIF. 800V 5,0 A
D801 ⚠	D4EAC6210002	VARISTOR 620V
D803 ⚠	D4EAC6210002	VARISTOR 620V
D805	B0HASR000014	RETIF. F. RECOVERY 600V 10,0 A
D807	B0JAME000058	DIODO RETIF. B. SCHOTTKY 40V 1,0 A
D808	B0JCNE000004	DIODO SMD Schottky 40V 2,0 A
D809	MAZ80680ML	ZENER SMD 6,8V 0,15 W 5,0 mA
D811	MAZ80390HL	ZENER SMD 3,9V 0,15 W 5,0 mA
D812	B0JCPG000005	DIODO SMD Schottky 60V 1,0 A
D813	MAZ81800ML	ZENER SMD 18V 0,15 W 5,0 mA
D817	B0HAMM000122	DIODO RETIF. 200V 1,0 A
D818	B0JBSL000026	DIODO RETIF. Schottky 100V 10,0 A
D819	B0JBSL000026	DIODO RETIF. Schottky 100V 10,0 A
D824	B0JCME000037	DIODO SMD 40V 1,0 A
D832	B0JCME000037	DIODO SMD 40V 1,0 A
D833	MAZ80300LL	ZENER SMD 30V 0,15 W 5,0 mA
D838	B0JAME000091	DIODO RETIF. B. SCHOTTKY 40V 1,0 A
D845	B0HAKR000004	DIODO RETIF. 600V 0,8 A
D847	B0JCME000037	DIODO SMD 40V 1,0 A
D848	MA2J72800L	DIODO SMD 30V 30,0 mA
D849	MA2J72800L	DIODO SMD 30V 30,0 mA
D851 ⚠	B0BA02800001	ZNR 30V 0,5W VZ=27,70~29,13V AT 5MA
D852 ⚠	B0BA02800001	ZNR 30V 0,5W VZ=27,70~29,13V AT 5MA
D853	B0JCNG000003	DIODO SMD Schottky 60V 2,0 A
D855	B0JAME000058	DIODO RETIF. B. SCHOTTKY 40V 1,0 A
D860	B0JANE000006	DIODO RETIF. Schottky 50V 3,0 A
D862	B0JCPG000005	DIODO SMD Schottky 60V 1,0 A
D863	B0JCME000037	DIODO SMD 40V 1,0 A
D864	MA2J11100L	DIODO SMD 80V 100,0 mA
D889	B0JCPE000028	DIODO SMD 40V 3,0 A
D890	B0JCME000037	DIODO SMD 40V 1,0 A
D892	B0JCPE000028	DIODO SMD 40V 3,0 A
D1002	EZJZ0V120JA	VARISTOR SMD
D1003	EZJZ0V120JA	VARISTOR SMD
D1004	EZAEG2A50AX	DIODO SMD 500V 10,0 mA
D1005	EZAEG2A50AX	DIODO SMD 500V 10,0 mA
D1006	EZAEG2A50AX	DIODO SMD 500V 10,0 mA
D1007	EZAEG2A50AX	DIODO SMD 500V 10,0 mA
D1107	MA3X704A0L	DIODO SMD 30V 5,0 mA
D1112	MA2J72800L	DIODO SMD 30V 30,0 mA
D2014	MA2J11100L	DIODO SMD 80V 100,0 mA
D2017	MA2J11100L	DIODO SMD 80V 100,0 mA
D2500	B3AGB0000057	LED SMD 20,0 mA
D2752	EZJZ0V120JA	VARISTOR SMD
D2779	MA22F2000L	DIODO CHAV. SMD 200V 1,0 A
D3050	EZJP0V080GA	VARISTOR SMD
D3054	EZJP0V080GA	VARISTOR SMD
D3340	EZJP0V080GA	VARISTOR SMD
D4202	MA2J11100L	DIODO SMD 80V 100,0 mA

REF.	CÓDIGO	DESCRIÇÃO
D4503	EZAEG2A50AX	DIODO SMD 500V 10,0 mA
D4505	EZAEG2A50AX	DIODO SMD 500V 10,0 mA
D4507	EZAEG2A50AX	DIODO SMD 500V 10,0 mA
D4509	EZAEG2A50AX	DIODO SMD 500V 10,0 mA
D4511	EZAEG2A50AX	DIODO SMD 500V 10,0 mA
D4512	EZAEG2A50AX	DIODO SMD 500V 10,0 mA
D4513	B0BC5R6A0275	ZENER SMD VZ=6.6V (CENTER)
D4516	EZAEG2A50AX	DIODO SMD 500V 10,0 mA
D4517	EZAEG2A50AX	DIODO SMD 500V 10,0 mA
D4518	EZAEG2A50AX	DIODO SMD 500V 10,0 mA
D4520	EZAEG2A50AX	DIODO SMD 500V 10,0 mA
D4521	EZAEG2A50AX	DIODO SMD 500V 10,0 mA
D4523	EZAEG2A50AX	DIODO SMD 500V 10,0 mA
D4525	MA2J11100L	DIODO SMD 80V 100,0 mA
D4526	MA2J11100L	DIODO SMD 80V 100,0 mA
D4541	MA2J11100L	DIODO SMD 80V 100,0 mA
D4542	MA2J11100L	DIODO SMD 80V 100,0 mA
D4573	EZAEG2A50AX	DIODO SMD 500V 10,0 mA
D4574	EZAEG2A50AX	DIODO SMD 500V 10,0 mA
D4575	MA2J11100L	DIODO SMD 80V 100,0 mA
D4576	B0HCMM000014	DIODO SMD SMD 200V 1,0 A
D4577	B0HCMM000014	DIODO SMD SMD 200V 1,0 A
D4583	B0HCMM000014	DIODO SMD SMD 200V 1,0 A
D4611	B0BC5R6A0275	ZENER SMD VZ=6.6V (CENTER)
D4615	MA2J11100L	DIODO SMD 80V 100,0 mA
D4617	B0BC5R6A0275	ZENER SMD VZ=6.6V (CENTER)
D5407	MA2J11100L	DIODO SMD 80V 100,0 mA
D5414	MA2J11100L	DIODO SMD 80V 100,0 mA
D5441	MA3X78900L	DIODO CHAV. SMD 50V 0,4 A
D5442	B0BC03900015	ZENER SMD 39V 0,5W 5,0 mA
D5473	MA2J11100L	DIODO SMD 80V 100,0 mA
D5474	MA2J11100L	DIODO SMD 80V 100,0 mA
D5480	MA2J11100L	DIODO SMD 80V 100,0 mA
D5481	MAZ81800ML	ZENER SMD 18V 0,15 W 5,0 mA
D5482	MA2J11100L	DIODO SMD 80V 100,0 mA
D5483	MAZ81100ML	ZENER SMD 11V 0,1 5,0 mA
D5484	MA2J11100L	DIODO SMD 80V 100,0 mA
D5485	MAZ82400ML	ZENER SMD 24V 0,10W 5,0 mA
D5486	MA2J11100L	DIODO SMD 80V 100,0 mA
D5612	MAZ80470ML	ZENER SMD 4,7V 0,1 5,0 mA
D5613	MA2J11100L	DIODO SMD 80V 100,0 mA
D5618	MAZ80470ML	ZENER SMD 4,7V 0,1 5,0 mA
D5619	MA2J11100L	DIODO SMD 80V 100,0 mA
D5626	MAZ80470ML	ZENER SMD 4,7V 0,1 5,0 mA
D5627	MA2J11100L	DIODO SMD 80V 100,0 mA
FUSÍVEIS		
F801	K5D502BNA005	FUSÍVEL 250V 5,0 A
PA4201	ERBSE2R50U	FUSÍVEL SMD 32V 2,5 A
PA5441	K5H1622A0023	FUSIVEL SMD 32V 1,6 A
PA5601	ERBSE2R50U	FUSÍVEL SMD 32V 2,5 A
FILTROS		

REF.	CÓDIGO	DESCRIÇÃO
FL4201	EXC28CE201U	BEAD CORE SMD
FL4202	EXC28CE201U	BEAD CORE SMD
FL4203	EXC28CE201U	BEAD CORE SMD
FL4204	EXC28CE201U	BEAD CORE SMD
FL4205	EXC28CE201U	BEAD CORE SMD
FL4206	EXC28CE201U	BEAD CORE SMD
CIRCUITOS INTEGRADOS		
IC800	C0DBBZG00004	CI CORRECAO FATOR POTENCIA
IC801 ⚠	C5HAZYY00006	CI ANALOGICO
IC805	C0DAEMZ00001	CI REGULADOR
IC851	C0DAAYY00051	CI CONVERSOR DC-DC SMD
IC852	C0DAAZH00020	CI REG. VOLTAGEM
IC855	C5HACYY00006	CI SWITCH REGULADOR
IC1100	MN103SH9FPA1	CIRCUITO INTEGRADO SMD
IC1101	C3EBFC000042	CI SMD EEPROM
IC2008	C0DBGYY00578	CIRCUITO INTEGRADO SMD
IC2301	C1AB00002875	CIRCUITO INTEGRADO SMD
IC2750	C1ZBZ0003577	CIRCUITO INTEGRADO SMD
IC2902	C0DBGYY00281	CI REGULADOR SMD
IC3001	C1AB00002855	CIRCUITO INTEGRADO SMD
IC4510	C1AB00003045	CIRCUITO INTEGRADO SMD
IC4511	C0DBGYY00578	CIRCUITO INTEGRADO SMD
IC4512	C0CBCAG00039	CI REG.VOLTAGEM SMD 1,0A, 1,0V
IC4513	C0DBGYY00618	CIRCUITO INTEGRADO SMD
IC5405	C0DBEYG00002	CI REGULADOR SMD
IC5409	C0DBEHE00005	CI REGULADOR SMD
IC5441	C0DBAJB00004	CI CONVERSOR DC-DC SMD
IC5480	C1ZBZ0003986	CIRCUITO INTEGRADO SMD
IC5600	C0DBAYY00480	CIRCUITO INTEGRADO SMD
IC5601	C0DBAYY00480	CIRCUITO INTEGRADO SMD
IC8001	MN2WS0053	CIRCUITO INTEGRADO SMD
IC8002	C3ABSG000060	CI SMD DRAM
IC8003	C3ABSG000060	CI SMD DRAM
IC8004	C0ZBZ0001567	CIRCUITO INTEGRADO SMD
IC8502	C3EBGC000056	CIRCUITO INTEGRADO SMD
IC8580	C3FBRG000011	CI SMD
RM2500	B3RAD0000127	CI RECEPTOR REMOCON
JUMPERS		
JS1000	ERJ2GE0R00X	RES. SMD 0 Ω 0,063W
JS1026	ERJ2GE0R00X	RES. SMD 0 Ω 0,063W
JSP814	ERJ6GEY0R00V	RES. SMD 0 Ω 1/8 W
BOBINAS		
L801 ⚠	EXCELDR35V	FERRITE Z=80 Ω(100MHZ) I=6A
L839	G0C101K00041	BOBINA 100,000 µH
L840	EXCELDR35V	FERRITE Z=80 Ω(100MHZ) I=6A
L843	EXCELDR35V	FERRITE Z=80 Ω(100MHZ) I=6A
L844	G0C101K00041	BOBINA 100,000 µH
L868	EXCELDR35V	FERRITE Z=80 Ω(100MHZ) I=6A
L872	G0A470ZA0037	BOBINA DE PICO 47,000 µH
L874	EXCELDR35V	FERRITE Z=80 Ω(100MHZ) I=6A
L880	J0JKA0000024	FERRITE L I=6 A / Z= 100 Ω(100MHZ)

REF.	CÓDIGO	DESCRIÇÃO
L881	J0JKA0000024	FERRITE L I=6 A / Z= 100 Ω(100MHZ)
L1100	J0JYC0000068	INDUTOR SMD
L2001	G1C150KA0038	INDUTOR SMD 15,000 µH 10%
L2010	G1C220MA0291	INDUTOR SMD 22,000 µH 20%
L2012	G1C220MA0291	INDUTOR SMD 22,000 µH 20%
L2014	G1C220MA0291	INDUTOR SMD 22,000 µH 20%
L2016	G1C220MA0291	INDUTOR SMD 22,000 µH 20%
L2018	J0JHC0000042	INDUTOR SMD 100Ω
L2032	J0JYC0000068	INDUTOR SMD
L2750	J0JYC0000065	INDUTOR SMD
L2751	J0JYC0000065	INDUTOR SMD
L2752	J0JYC0000065	INDUTOR SMD
L2754	J0JYC0000065	INDUTOR SMD
L2755	J0JYC0000065	INDUTOR SMD
L2756	J0JYC0000065	INDUTOR SMD
L2901	J0JCC0000278	INDUTOR SMD
L2902	J0JCC0000269	INDUTOR SMD
L2904	J0JCC0000269	INDUTOR SMD
L3002	J0JCC0000287	INDUTOR SMD 200MA
L3003	J0JCC0000287	INDUTOR SMD 200MA
L3010	J0JCC0000287	INDUTOR SMD 200MA
L3011	J0JCC0000287	INDUTOR SMD 200MA
L3014	J0JCC0000287	INDUTOR SMD 200MA
L3015	J0JCC0000287	INDUTOR SMD 200MA
L3017	J0JCC0000287	INDUTOR SMD 200MA
L3019	J0JCC0000287	INDUTOR SMD 200MA
L3026	J0JCC0000287	INDUTOR SMD 200MA
L3027	J0JCC0000287	INDUTOR SMD 200MA
L3028	J0JCC0000287	INDUTOR SMD 200MA
L3029	J0JCC0000287	INDUTOR SMD 200MA
L3030	J0JCC0000287	INDUTOR SMD 200MA
L3034	J0JCC0000364	INDUTOR SMD 0,2 A
L3035	J0JCC0000364	INDUTOR SMD 0,2 A
L4201	J0JYC0000068	INDUTOR SMD
L4208	G1C100MA0072	INDUTOR SMD 100,000 µH 20%
L4210	J0JHC0000045	INDUTOR SMD 25% 120 Ω, 2A
L4502	J0JYC0000068	INDUTOR SMD
L4503	J0JYC0000068	INDUTOR SMD
L4504	J0JYC0000068	INDUTOR SMD
L4505	J0JYC0000068	INDUTOR SMD
L4506	J0JYC0000068	INDUTOR SMD
L4507	J0JYC0000068	INDUTOR SMD
L4511	J0JYC0000068	INDUTOR SMD
L4512	J0JCC0000059	INDUTOR SMD 0,2 A
L4513	J0JCC0000059	INDUTOR SMD 0,2 A
L4514	J0JYC0000068	INDUTOR SMD
L4515	J0JYC0000068	INDUTOR SMD
L4516	J0JYC0000068	INDUTOR SMD
L4517	J0JYC0000068	INDUTOR SMD
L4518	J0JYC0000068	INDUTOR SMD
L4519	J0JYC0000068	INDUTOR SMD

REF.	CÓDIGO	DESCRIÇÃO
L4521	J0JYC0000068	INDUTOR SMD
L4522	J0JYC0000068	INDUTOR SMD
L4523	J0JYC0000068	INDUTOR SMD
L5420	J0JHC0000096	INDUTOR SMD 0 2A
L5430	J0JHC0000096	INDUTOR SMD 0 2A
L5443	G1C470MA0077	INDUTOR SMD 47,000 µH 20%
L5444	G1C100MA0072	INDUTOR SMD 100,000 µH 20%
L5480	J0JYC0000068	INDUTOR SMD
L5481	J0JYC0000068	INDUTOR SMD
L5600	G1C2R2Z00007	INDUTOR SMD 2,200 µH
L5601	G1C3R3Z00004	INDUTOR SMD 3,300 µH
L5602	G1C4R7Z00014	INDUTOR SMD 4,700 µH
L5604	G1C100MA0203	INDUTOR SMD 10,000 µH 20%
L5605	J0JHC0000045	INDUTOR SMD 25% 120 Ω, 2A
L5608	G1C100MA0077	INDUTOR SMD 100,000 µH 20%
L8001	J0JHC0000045	INDUTOR SMD 25% 120 Ω, 2A
L8002	J0JHC0000045	INDUTOR SMD 25% 120 Ω, 2A
L8003	J0JHC0000045	INDUTOR SMD 25% 120 Ω, 2A
L8004	J0JHC0000045	INDUTOR SMD 25% 120 Ω, 2A
L8005	J0JHC0000045	INDUTOR SMD 25% 120 Ω, 2A
L8007	J0JHC0000045	INDUTOR SMD 25% 120 Ω, 2A
L8008	J0JHC0000045	INDUTOR SMD 25% 120 Ω, 2A
L8009	J0JHC0000045	INDUTOR SMD 25% 120 Ω, 2A
L8010	J0JHC0000045	INDUTOR SMD 25% 120 Ω, 2A
L8011	J0JHC0000045	INDUTOR SMD 25% 120 Ω, 2A
L8012	J0JHC0000045	INDUTOR SMD 25% 120 Ω, 2A
L8013	J0JHC0000045	INDUTOR SMD 25% 120 Ω, 2A
L8052	J0JBC0000098	BEAD CORE SMD
L8053	J0JBC0000098	BEAD CORE SMD
L8501	J0JHC0000045	INDUTOR SMD 25% 120 Ω, 2A
L8580	J0JHC0000075	INDUTOR SMD 25% 60 Ω, 2A
LF805	G0B103H00009	BOBINA 10 mH
LF806	G0B103H00009	BOBINA 10 mH
FOTO ACOPLADORES		
PC801	B3PAA0000363	FOTO ACOPLADOR
PC802	B3PAA0000363	FOTO ACOPLADOR
PC803	B3PAA0000363	FOTO ACOPLADOR
SN2500	B3JB00000046	FOTO ACOPLADOR
TRANSISTORES		
Q804	2SD0601A0L	TRANS. SMD NPN 1/5 W 50V 100,0 mA
Q805	2SD0601A0L	TRANS. SMD NPN 1/5 W 50V 100,0 mA
Q807	B1BACG000035	TRANS. NPN 60V 3,0 A
Q808	B1BACD000014	TRANS. NPN NPN 1 32V 2,0 A
Q809	2SD0601A0L	TRANS. SMD NPN 1/5 W 50V 100,0 mA
Q810	2SD0601A0L	TRANS. SMD NPN 1/5 W 50V 100,0 mA
Q814	B1DEGR000060	TRANS. MOSFET CANAL N 600V 10A
Q838	2SB14340SA	TRANS. PNP PNP 0,8 50V 400,0 mA
Q839	B1DEGR000060	TRANS. MOSFET CANAL N 600V 10A
Q843	B1DHKE000001	TRANS. FET SMD CH P 45W 40V 40A
Q846	2SD0601A0L	TRANS. SMD NPN 1/5 W 50V 100,0 mA
Q847	2SD0601A0L	TRANS. SMD NPN 1/5 W 50V 100,0 mA

REF.	CÓDIGO	DESCRIÇÃO
Q848	2SD0601A0L	TRANS. SMD NPN 1/5 W 50V 100,0 mA
Q849	2SD0601A0L	TRANS. SMD NPN 1/5 W 50V 100,0 mA
Q881	2SD0601A0L	TRANS. SMD NPN 1/5 W 50V 100,0 mA
Q886	2SD0601A0L	TRANS. SMD NPN 1/5 W 50V 100,0 mA
Q0900	B1CBHD000002	TRANS. SMD CH N 0,2 W 30V 200mA
Q0901	B1CBHD000002	TRANS. SMD CH N 0,2 W 30V 200 mA
Q2001	B1ABCF000231	TRANS. SMD NPN 50V 100,0 mA
Q2022	B1ADCE000022	TRANS. SMD PNP 40V 100,0 mA
Q2063	2SD0601ASL	TRANS. SMD NPN 1/5 W 50V 100,0 mA
Q2064	2SD0601ASL	TRANS. SMD NPN 1/5 W 50V 100,0 mA
Q2065	2SB0709ASL	TRANS. SMD PNP 0,2 W 50V 100,0 mA
Q2500	B1ABCF000231	TRANS. SMD NPN 50V 100,0 mA
Q2501	B1ABCF000231	TRANS. SMD NPN 50V 100,0 mA
Q2504	B1ABCF000231	TRANS. SMD NPN 50V 100,0 mA
Q3000	B1ABCF000231	TRANS. SMD NPN 50V 100,0 mA
Q3001	B1ABCF000231	TRANS. SMD NPN 50V 100,0 mA
Q4201	2SD0601A0L	TRANS. SMD NPN 1/5 W 50V 100,0 mA
Q4202	2SB0709A0L	TRANS. SMD PNP 1/5 W 50V 100,0 mA
Q4203	2SD0601A0L	TRANS. SMD NPN 1/5 W 50V 100,0 mA
Q4204	2SC39380QL	TRANS. SMD NPN 0,2 40V 100,0 mA
Q4205	2SD0601A0L	TRANS. SMD NPN 1/5 W 50V 100,0 mA
Q4206	2SC39380QL	TRANS. SMD NPN 0,2 40V 100,0 mA
Q4207	2SD0601A0L	TRANS. SMD NPN 1/5 W 50V 100,0 mA
Q4500	B1ABCF000231	TRANS. SMD NPN 50V 100,0 mA
Q4501	B1ABCF000231	TRANS. SMD NPN 50V 100,0 mA
Q4514	2SB0709ASL	TRANS. SMD PNP 0,2 W 50V 100,0 mA
Q4515	2SB0709ASL	TRANS. SMD PNP 0,2 W 50V 100,0 mA
Q4516	2SB0709ASL	TRANS. SMD PNP 0,2 W 50V 100,0 mA
Q4517	2SB0709ASL	TRANS. SMD PNP 0,2 W 50V 100,0 mA
Q4519	2SB0709ASL	TRANS. SMD PNP 0,2 W 50V 100,0 mA
Q4520	B1ABCF000231	TRANS. SMD NPN 50V 100,0 mA
Q4533	B1ABCF000231	TRANS. SMD NPN 50V 100,0 mA
Q4534	B1ABCF000231	TRANS. SMD NPN 50V 100,0 mA
Q4535	B1ABCF000231	TRANS. SMD NPN 50V 100,0 mA
Q4807	2SD0601A0L	TRANS. SMD NPN 1/5 W 50V 100,0 mA
Q5407	2SC584500L	TRANS. SMD NPN 0,1 40V 50,0 mA
Q5408	2SC584500L	TRANS. SMD NPN 0,1 40V 50,0 mA
Q5412	B1CHRE000005	TRANS. SMD CANAL P 1,9 W 40V 5,0 A
Q5417	B1CHRE000005	TRANS. SMD CANAL P 1,9 W 40V 5,0 A
Q5421	2SC584500L	TRANS. SMD NPN 0,1 40V 50,0 mA
Q5431	2SC584500L	TRANS. SMD NPN 0,1 40V 50,0 mA
Q5441	B1CFNG000001	TRANS. SMD CH N 0,4W 60V 2,0 mA
Q5453	2SD0601A0L	TRANS. SMD NPN 1/5 W 50V 100,0 mA
Q5461	B1ADCE000022	TRANS. SMD PNP 40V 100,0 mA
Q5600	B1MBDDA00003	TRANS. SMD NPN 2W 30V 5,0 A
Q5601	B1MBDDA00003	TRANS. SMD NPN 2W 30V 5,0 A
Q5602	B1MBDDA00003	TRANS. SMD NPN 2W 30V 5,0 A
RESISTORES		
R800	D0XB106J0003	RES. DE POTÊNCIA 10 MΩ
R801 ⚠	ERC12ZGK185D	RES. CARB. SÓL. 1,80 MΩ 1/2 W 10%
R802	ERJ6GEYJ684V	RES. SMD 680 kΩ 1/8 W 5%

REF.	CÓDIGO	DESCRIÇÃO
R803	ERJ6GEYJ684V	RES. SMD 680 kΩ 1/8 W 5%
R804	ERJ6GEYJ684V	RES. SMD 680 kΩ 1/8 W 5%
R805	ERJ6GEYJ684V	RES. SMD 680 kΩ 1/8 W 5%
R806	ERJ6GEYJ303V	RES. SMD 30 kΩ 1/8 W 5%
R807	ERJ6GEYJ223V	RES. SMD 22 kΩ 1/8 W 5%
R808	ERJ6GEYJ473V	RES. SMD 47 kΩ 1/8 W 5%
R810	ERDS1TJ220T	RES. CARB. 22 Ω 1/2 W 5%
R811	ERJ12YJ100U	RES. SMD 10 Ω 1/2 W 5%
R812	ERJ6GEYJ104V	RES. SMD 100 kΩ 1/8 W 5%
R813	D0D5R10KA007	RES. FIO CIMENTADO 0,10 Ω 5 W 10%
R814	ERJ6ENF6343V	RES. PRECISO SMD 634 kΩ 0,1 W 1%
R815	ERJ6ENF6343V	RES. PRECISO SMD 634 kΩ 0,1 W 1%
R816	ERJ6ENF6343V	RES. PRECISO SMD 634 kΩ 0,1 W 1%
R817	ERJ6ENF6343V	RES. PRECISO SMD 634 kΩ 0,1 W 1%
R818	ERJ6ENF1692V	RES. PRECISO SMD 16,9kΩ 1/10 W 1%
R819	D0AE101JA046	RES. CARB. 100 Ω 1/4 W 5%
R820	ERG2SJ330H	RES. OXIDO METAL 33 Ω 2 5%
R821	ERG2SJ330H	RES. OXIDO METAL 33 Ω 2 5%
R822	ERJ3EKF6340V	RES. PRECISO SMD 634 Ω 1/16 W 1%
R823	ERJ6GEYJ103V	RES. SMD 10 kΩ 1/8 W 5%
R824	ERJ6GEYJ393V	RES. SMD 39 kΩ 1/8 W 5%
R825	ERJ6GEYJ104V	RES. SMD 100 kΩ 1/8 W 5%
R826	ERJ6GEYJ223V	RES. SMD 22 kΩ 1/8 W 5%
R827	ERJ6GEYJ752V	RES. SMD 7,50 kΩ 1/8 W 5%
R828	ERJ6GEYJ154V	RES. SMD 150 kΩ 1/8 W 5%
R829	ERJ6GEYJ683V	RES. SMD 68 kΩ 1/8 W 5%
R830	ERJ6GEYJ564V	RES. F. METÁLICO 560 kΩ 1/10 W 5%
R831	ERJ6GEYJ564V	RES. F. METÁLICO 560 kΩ 1/10 W 5%
R832	ERJ6GEYJ514V	RES. SMD 510 kΩ 1/8 W 5%
R833	ERJ6GEYJ153V	RES. SMD 15 kΩ 1/8 W 5%
R834	ERJ6GEYJ105V	RES. SMD 1 MΩ 1/8 W 5%
R835	ERJ6GEYJ152V	RES. SMD 1,50 kΩ 1/8 W 5%
R837	ERJ6GEYJ392V	RES. SMD 3,90 kΩ 1/8 W 5%
R838	ERDS1TJ471T	RES. CARB. 470 Ω 1/2 W 5%
R839	ERDS1TJ220T	RES. CARB. 22 Ω 1/2 W 5%
R840	ERJ6GEYJ162V	RES. SMD 1,60 kΩ 1/8 W 5%
R841	ERJ6GEYJ162V	RES. SMD 1,60 kΩ 1/8 W 5%
R842	ERJ6GEYJ683V	RES. SMD 68 kΩ 1/8 W 5%
R843	ERJ6GEYJ103V	RES. SMD 10 kΩ 1/8 W 5%
R844	ERJ6GEYJ104V	RES. SMD 100 kΩ 1/8 W 5%
R845	ERG1SJW432E	RES. OXIDO METAL 4,30 kΩ 1 W 5%
R846	ERDS1TJ302T	RES. CARB. 3 kΩ 1/2 W 5%
R847	ERJ6GEYJ274V	RES. SMD 270 kΩ 1/8 W 5%
R848	ERJ6GEYJ274V	RES. SMD 270 kΩ 1/8 W 5%
R849	ERJ6GEYJ274V	RES. SMD 270 kΩ 1/8 W 5%
R850	ERJ6ENF2103V	RES. PRECISO SMD 210 kΩ 1/8 W 1%
R851	ERJ6GEYJ223V	RES. SMD 22 kΩ 1/8 W 5%
R852	ERJ6GEYJ683V	RES. SMD 68 kΩ 1/8 W 5%
R853	ERDS1TJ2R2T	RES. CARB. 2,20 Ω 1/2 W 5%
R854	ERDS2T0T	RES. CARB. 0 Ω 1/4 W
R855	D0D3R12KA004	RES. F. CIMENTADO 0,12 Ω 3 W 10%

REF.	CÓDIGO	DESCRIÇÃO
R856	ERDS1TJ105V	RES. CARB. 1 MΩ 1/2 W 5%
R857	ERDS1TJ271T	RES. CARB. 270 Ω 1/2 W 5%
R858	ERQ12AJ220P	FUSISTOR 22 Ω 1/2 W 5%
R859	ERG1SJ470P	RES. OXIDO METAL 47 Ω 1 W 5%
R860	ERJ6GEYJ223V	RES. SMD 22 kΩ 1/8 W 5%
R861	ERJ6GEYJ102V	RES. SMD 1 kΩ 1/8 W 5%
R862	ERJ6GEYJ102V	RES. SMD 1 kΩ 1/8 W 5%
R863	ERJ6GEYJ472V	RES. SMD 4,70 kΩ 1/8 W 5%
R864	ERJ6ENF6651V	RES. PRECISO 6,65 kΩ 1/10 W 1%
R865	ERJ3EKF2702V	RES. PRECISO SMD 27 kΩ 1/10 W 1%
R866	ERJ6GEYJ392V	RES. SMD 3,90 kΩ 1/8 W 5%
R867	ERJ6ENF1801V	RES. PRECISO 1,80 kΩ 1/10 W 1%
R868	ERJ6GEYJ472V	RES. SMD 4,70 kΩ 1/8 W 5%
R869	ERJ6GEYJ103V	RES. SMD 10 kΩ 1/8 W 5%
R870	ERJ6GEY0R00V	RES. SMD 0 Ω 1/8 W
R871	ERJ6GEYJ472V	RES. SMD 4,70 kΩ 1/8 W 5%
R872	ERJ6GEYJ103V	RES. SMD 10 kΩ 1/8 W 5%
R873	ERJ6GEYJ332V	RES. SMD 3,30 kΩ 1/8 W 5%
R875	ERJ6GEYJ203V	RES. SMD 20 kΩ 1/8 W 5%
R876	ERJ3EKF1002V	RES. PRECISO SMD 10 kΩ 1/16 W 1%
R877	ERJ3EKF4872V	RES. PRECISO SMD 48,70 kΩ
R878	ERJ6GEYJ303V	RES. SMD 30 kΩ 1/8 W 5%
R879	ERJ6GEYJ103V	RES. SMD 10 kΩ 1/8 W 5%
R880 ⚠	D1F5100E0002	FUSISTOR 10 Ω 5 W 5%
R881	ERJ6GEYJ563V	RES. SMD 56 kΩ 1/8 W 5%
R882	ERJ6GEYJ363V	RES. SMD 36 kΩ 1/8 W 5%
R883	ERJ6GEYJ273V	RES. SMD 27 kΩ 1/8 W 5%
R885	ERJ6GEYJ822V	RES. SMD 8,20 kΩ 1/8 W 5%
R886	ERJ6GEYJ472V	RES. SMD 4,70 kΩ 1/8 W 5%
R887	ERJ6GEY0R00V	RES. SMD 0 Ω 1/8 W
R888	ERJ3EKF9761V	RES. PRECISO SMD 9,76 kΩ 1/16 W 1%
R889	ERJ3EKF1002V	RES. PRECISO SMD 10 kΩ 1/16 W 1%
R890	ERJ6GEYJ153V	RES. SMD 15 kΩ 1/8 W 5%
R891	ERJ6GEYJ102V	RES. SMD 1 kΩ 1/8 W 5%
R892	ERJ6GEYJ823V	RES. SMD 82 kΩ 1/8 W 5%
R893	ERJ6GEYJ473V	RES. SMD 47 kΩ 1/8 W 5%
R894	ERJ6GEYJ103V	RES. SMD 10 kΩ 1/8 W 5%
R895	ERJ6GEYJ102V	RES. SMD 1 kΩ 1/8 W 5%
R896	ERJ6GEYJ223V	RES. SMD 22 kΩ 1/8 W 5%
R897	ERJ6GEYJ472V	RES. SMD 4,70 kΩ 1/8 W 5%
R898	ERJ6GEYJ103V	RES. SMD 10 kΩ 1/8 W 5%
R899	ERJ3EKF1151V	RES. SMD PRECISO 1,15 kΩ 1/16 W 1%
R920	ERJ6GEYJ103V	RES. SMD 10 kΩ 1/8 W 5%
R0180	ERJ2GEJ101X	RES. SMD 100 Ω 0,063W 5%
R0900	ERJ2GEJ680X	RES. SMD 68 Ω 1/16 W 5%
R0901	EXB28V680JX	REDE RES. SMD 68 Ω 1/3 W 5%
R0902	ERJ2GEJ103X	RES. SMD 10 kΩ 0,063W 5%
R0905	ERJ2GEJ103X	RES. SMD 10 kΩ 0,063W 5%
R0906	ERJ2GEJ103X	RES. SMD 10 kΩ 0,063W 5%
R0907	ERJ2GEJ103X	RES. SMD 10 kΩ 0,063W 5%
R0909	ERJ2GEJ220X	RES. SMD 22 Ω 1/16 W 5%

REF.	CÓDIGO	DESCRIÇÃO
R0910	ERJ2GEJ220X	RES. SMD 22 Ω 1/16 W 5%
R0911	ERJ2GEJ220X	RES. SMD 22 Ω 1/16 W 5%
R0912	ERJ2GEJ220X	RES. SMD 22 Ω 1/16 W 5%
R0913	ERJ2GEJ220X	RES. SMD 22 Ω 1/16 W 5%
R0914	ERJ2GEJ220X	RES. SMD 22 Ω 1/16 W 5%
R0915	ERJ2GEJ472X	RES. SMD 4,70 kΩ 0,063W 5%
R0916	ERJ2GEJ472X	RES. SMD 4,70 kΩ 0,063W 5%
R0917	ERJ2GEJ220X	RES. SMD 22 Ω 1/16 W 5%
R0918	ERJ2GEJ220X	RES. SMD 22 Ω 1/16 W 5%
R0919	ERJ2GEJ220X	RES. SMD 22 Ω 1/16 W 5%
R0920	ERJ2GEJ220X	RES. SMD 22 Ω 1/16 W 5%
R0921	ERJ2GEJ220X	RES. SMD 22 Ω 1/16 W 5%
R0922	ERJ2GEJ220X	RES. SMD 22 Ω 1/16 W 5%
R0923	ERJ2GEJ682X	RES. SMD 6,80 kΩ 1/16 W 5%
R0924	ERJ2GEJ682X	RES. SMD 6,80 kΩ 1/16 W 5%
R0925	ERJ2GEJ220X	RES. SMD 22 Ω 1/16 W 5%
R0926	ERJ2GEJ220X	RES. SMD 22 Ω 1/16 W 5%
R0929	ERJ2GEJ220X	RES. SMD 22 Ω 1/16 W 5%
R0930	ERJ2GEJ220X	RES. SMD 22 Ω 1/16 W 5%
R0933	ERJ2GE0R00X	RES. SMD 0 Ω 0,063W
R0934	ERJ2GE0R00X	RES. SMD 0 Ω 0,063W
R0935	ERJ2GEJ220X	RES. SMD 22 Ω 1/16 W 5%
R0936	ERJ2GEJ220X	RES. SMD 22 Ω 1/16 W 5%
R0945	ERJ2GEJ220X	RES. SMD 22 Ω 1/16 W 5%
R0946	ERJ2GEJ220X	RES. SMD 22 Ω 1/16 W 5%
R0947	ERJ2GEJ680X	RES. SMD 68 Ω 1/16 W 5%
R0948	ERJ2GEJ680X	RES. SMD 68 Ω 1/16 W 5%
R0949	ERJ2GEJ680X	RES. SMD 68 Ω 1/16 W 5%
R0950	ERJ2GEJ680X	RES. SMD 68 Ω 1/16 W 5%
R0951	ERJ2GEJ680X	RES. SMD 68 Ω 1/16 W 5%
R0952	ERJ2GEJ680X	RES. SMD 68 Ω 1/16 W 5%
R0953	ERJ2GEJ680X	RES. SMD 68 Ω 1/16 W 5%
R0954	ERJ2GEJ680X	RES. SMD 68 Ω 1/16 W 5%
R0955	ERJ2GEJ472X	RES. SMD 4,70 kΩ 0,063W 5%
R0956	ERJ2GEJ472X	RES. SMD 4,70 kΩ 0,063W 5%
R0957	ERJ2GEJ472X	RES. SMD 4,70 kΩ 0,063W 5%
R0958	ERJ2GEJ472X	RES. SMD 4,70 kΩ 0,063W 5%
R0959	ERJ2GEJ472X	RES. SMD 4,70 kΩ 0,063W 5%
R0960	ERJ2GEJ472X	RES. SMD 4,70 kΩ 0,063W 5%
R0961	ERJ2GEJ472X	RES. SMD 4,70 kΩ 0,063W 5%
R0962	ERJ2GEJ472X	RES. SMD 4,70 kΩ 0,063W 5%
R0963	ERJ2GEJ103X	RES. SMD 10 kΩ 0,063W 5%
R1146	ERJ2GEJ102X	RES. SMD 1 kΩ 0,063W 5%
R1153	ERJ2GEJ471X	RES. SMD 470 Ω 1/16W 5%
R1163	ERJ2GEJ105X	RES. SMD 1 MΩ 1/16 W 5%
R1173	ERJ2GEJ331X	RES. SMD 330 Ω 1/16 W 5%
R1179	ERJ2GE0R00X	RES. SMD 0 Ω 0,063W
R1181	ERJ2GE0R00X	RES. SMD 0 Ω 0,063W
R1182	ERJ2GEJ273X	RES. SMD 27 kΩ 1/16 W 5%
R1197	ERJ2GE0R00X	RES. SMD 0 Ω 0,063W
R1203	ERJ2GEJ473X	RES. SMD SMD 47 kΩ

REF.	CÓDIGO	DESCRIÇÃO
R1209	ERJ2GEJ472X	RES. SMD 4,70 kΩ 0,063W 5%
R1221	D1BB7151A055	RES. F. METÁLICO SMD 7,15 kΩ 1/10W 1%
R1224	ERJ2GEJ103X	RES. SMD 10 kΩ 0,063W 5%
R1225	ERJ2GEJ103X	RES. SMD 10 kΩ 0,063W 5%
R1236	ERJ2GEJ473X	RES. SMD SMD 47 kΩ
R1237	ERJ2GEJ102X	RES. SMD 1 kΩ 0,063W 5%
R1243	ERJ2GEJ473X	RES. SMD SMD 47 kΩ
R1255	ERJ2GEJ102X	RES. SMD 1 kΩ 0,063W 5%
R1400	ERJ2GEJ103X	RES. SMD 10 kΩ 0,063W 5%
R1401	ERJ2GEJ104X	RES. SMD 100 kΩ 0,063W 5%
R1402	ERJ2GEJ683X	RES. SMD 68 kΩ 1/16 W 5%
R1403	ERJ2GEJ333X	RES. SMD 33 kΩ 1/16 W 5%
R1404	ERJ2GEJ683X	RES. SMD 68 kΩ 1/16 W 5%
R1405	ERJ2GEJ223X	RES. SMD 22 kΩ 1/16 W 5%
R1406	ERJ2GEJ683X	RES. SMD 68 kΩ 1/16 W 5%
R1407	ERJ2GEJ473X	RES. SMD SMD 47 kΩ
R1409	ERJ2GEJ473X	RES. SMD SMD 47 kΩ
R1410	ERJ2GEJ103X	RES. SMD 10 kΩ 0,063W 5%
R1411	ERJ2GEJ104X	RES. SMD 100 kΩ 0,063W 5%
R1422	ERJ2GEJ182X	RES. SMD 1,80 kΩ 1/16 W 5%
R2002	ERJ2GEJ102X	RES. SMD 1 kΩ 0,063W 5%
R2003	ERJ2GEJ105X	RES. SMD 1 MΩ 1/16 W 5%
R2006	ERJ2GEJ471X	RES. SMD 470 Ω 1/16W 5%
R2007	ERJ2GEJ221X	RES. SMD 220 Ω 0,063W 5%
R2008	ERJ2GEJ471X	RES. SMD 470 Ω 1/16W 5%
R2015	ERJ2GEJ103X	RES. SMD 10 kΩ 0,063W 5%
R2016	ERJ2GEJ103X	RES. SMD 10 kΩ 0,063W 5%
R2017	ERJ2GEJ103X	RES. SMD 10 kΩ 0,063W 5%
R2018	ERJ2GEJ103X	RES. SMD 10 kΩ 0,063W 5%
R2019	D1BB2002A055	RES. F. METÁLICO SMD 20 kΩ 1/10W 1%
R2020	D1BB2001A055	RES. F. METÁLICO SMD 20 kΩ 1/10W 1%
R2023	ERJ2GEJ103X	RES. SMD 10 kΩ 0,063W 5%
R2032	ERJ2GE0R00X	RES. SMD 0 Ω 0,063W
R2047	D1BB2802A055	RES. F. METÁLICO SMD 28 kΩ 1/10W 1%
R2048	D1BB2802A055	RES. F. METÁLICO SMD 28 kΩ 1/10W 1%
R2050	D1BB2802A055	RES. F. METÁLICO SMD 28 kΩ 1/10W 1%
R2051	D1BB2802A055	RES. F. METÁLICO SMD 28 kΩ 1/10W 1%
R2063	ERJ2GE0R00X	RES. SMD 0 Ω 0,063W
R2064	ERJ2GE0R00X	RES. SMD 0 Ω 0,063W
R2092	ERJ2GEJ103X	RES. SMD 10 kΩ 0,063W 5%
R2093	ERJ2GEJ103X	RES. SMD 10 kΩ 0,063W 5%
R2110	ERJ2GEJ101X	RES. SMD 100 Ω 0,063W 5%
R2111	ERJ2GEJ101X	RES. SMD 100 Ω 0,063W 5%
R2114	ERJ2GEJ222X	RES. SMD 2,20 kΩ 0,063W 5%
R2115	ERJ2GEJ222X	RES. SMD 2,20 kΩ 0,063W 5%
R2118	ERJ2GEJ471X	RES. SMD 470 Ω 1/16W 5%
R2119	ERJ2GEJ105X	RES. SMD 1 MΩ 1/16 W 5%
R2120	ERJ2GEJ473X	RES. SMD SMD 47 kΩ
R2121	ERJ8GEYJ3R3V	RES. SMD 3,30 Ω 1/4 W 5%
R2122	ERJ2GEJ102X	RES. SMD 1 kΩ 0,063W 5%
R2123	ERJ8GEYJ3R3V	RES. SMD 3,30 Ω 1/4 W 5%

REF.	CÓDIGO	DESCRIÇÃO
R2124	ERJ2GEJ103X	RES. SMD 10 kΩ 0,063W 5%
R2125	ERJ8GEYJ3R3V	RES. SMD 3,30 Ω 1/4 W 5%
R2127	ERJ8GEYJ3R3V	RES. SMD 3,30 Ω 1/4 W 5%
R2129	ERJ2GEJ100X	RES. SMD 10 Ω 1/16 W 5%
R2132	ERJ2GEJ471X	RES. SMD 470 Ω 1/16W 5%
R2137	ERJ2GEJ100X	RES. SMD 10 Ω 1/16 W 5%
R2141	ERJ2GEJ102X	RES. SMD 1 kΩ 0,063W 5%
R2142	ERJ2GEJ222X	RES. SMD 2,20 kΩ 0,063W 5%
R2172	ERJ2GEJ680X	RES. SMD 68 Ω 1/16 W 5%
R2190	ERJ2GEJ472X	RES. SMD 4,70 kΩ 0,063W 5%
R2316	EXB28V220JX	REDE RES. SMD 22 Ω 1/16 W 5%
R2325	ERJ2GE0R00X	RES. SMD 0 Ω 0,063W
R2500	ERJ2RKF3000X	RES. SMD 300 Ω 1/16W
R2502	ERJ2GEJ473X	RES. SMD SMD 47 kΩ
R2504	ERJ2GEJ223X	RES. SMD 22 kΩ 1/16 W 5%
R2507	ERJ2GEJ473X	RES. SMD SMD 47 kΩ
R2508	ERJ2GEJ103X	RES. SMD 10 kΩ 0,063W 5%
R2509	ERJ2RKF1101X	RES. SMD 1.100 Ω 1/16W
R2512	ERJ2GEJ470X	RES. SMD 47 Ω 1/16 W 5%
R2514	ERJ2RKF1802X	RES. SMD 18K Ω 18 kΩ 1/16W
R2515	ERJ2RKF4702X	RES. SMD 47K Ω 1/16W
R2516	ERJ2GEJ473X	RES. SMD SMD 47 kΩ
R2517	ERJ2GEJ104X	RES. SMD 100 kΩ 0,063W 5%
R2518	ERJ2GEJ103X	RES. SMD 10 kΩ 0,063W 5%
R2600	ERJ6GEY0R00V	RES. SMD 0 Ω 1/8 W
R2601	D1BD1741A044	RES. F. METÁLICO SMD 1,74 kΩ 1/8W 1%
R2602	D1BD7151A044	RES. SMD 7,15 kΩ 1/8 W 1%
R2603	D1BD6651A044	RES. F. METÁLICO SMD 6,65 kΩ 1/8W 1%
R2604	D1BD1432A044	RES. F. METÁLICO SMD 14,30 Ω 1/8W 1%
R2751	D0GDR00Z0002	RES. SMD 0 Ω 1/8W
R2752	D0GDR00Z0002	RES. SMD 0 Ω 1/8W
R2755	ERJ2GEJ473X	RES. SMD SMD 47 kΩ
R2756	ERJ2GEJ101X	RES. SMD 100 Ω 0,063W 5%
R2757	ERJ2GEJ101X	RES. SMD 100 Ω 0,063W 5%
R2758	ERJ2GEJ101X	RES. SMD 100 Ω 0,063W 5%
R2759	ERJ2GEJ101X	RES. SMD 100 Ω 0,063W 5%
R2760	ERJ2GEJ101X	RES. SMD 100 Ω 0,063W 5%
R2761	ERJ2GEJ101X	RES. SMD 100 Ω 0,063W 5%
R2762	ERJ2GEJ222X	RES. SMD 2,20 kΩ 0,063W 5%
R2763	ERJ2GEJ473X	RES. SMD SMD 47 kΩ
R2764	ERJ2GEJ473X	RES. SMD SMD 47 kΩ
R2765	D0GDR00Z0002	RES. SMD 0 Ω 1/8W
R2774	ERJ2GEJ473X	RES. SMD SMD 47 kΩ
R2903	D0GBR00Z0002	RES. SMD 0 Ω 1/10 W
R2905	ERJ2GE0R00X	RES. SMD 0 Ω 0,063W
R2909	ERJ2GE0R00X	RES. SMD 0 Ω 0,063W
R2915	ERJ2GEJ221X	RES. SMD 220 Ω 0,063W 5%
R2918	ERJ2GEJ101X	RES. SMD 100 Ω 0,063W 5%
R2927	ERJ2GE0R00X	RES. SMD 0 Ω 0,063W
R2930	ERJ2GEJ153X	RES. SMD 15 kΩ 1/16 W 5%
R2931	D0GBR00Z0002	RES. SMD 0 Ω 1/10 W

REF.	CÓDIGO	DESCRIÇÃO
R2940	ERJ2GE0R00X	RES. SMD 0 Ω 0,063W
R3000	ERJ2GEJ223X	RES. SMD 22 kΩ 1/16 W 5%
R3001	ERJ2GEJ223X	RES. SMD 22 kΩ 1/16 W 5%
R3004	ERJ2GEJ223X	RES. SMD 22 kΩ 1/16 W 5%
R3005	ERJ2GEJ223X	RES. SMD 22 kΩ 1/16 W 5%
R3019	ERJ2GEJ101X	RES. SMD 100 Ω 0,063W 5%
R3021	ERJ2GEJ101X	RES. SMD 100 Ω 0,063W 5%
R3024	ERJ2GEJ104X	RES. SMD 100 kΩ 0,063W 5%
R3025	ERJ2GEJ104X	RES. SMD 100 kΩ 0,063W 5%
R3033	ERJ2GEJ221X	RES. SMD 220 Ω 0,063W 5%
R3034	ERJ2GEJ221X	RES. SMD 220 Ω 0,063W 5%
R3043	ERJ2GEJ221X	RES. SMD 220 Ω 0,063W 5%
R3045	ERJ2GEJ221X	RES. SMD 220 Ω 0,063W 5%
R3047	ERJ2GEJ221X	RES. SMD 220 Ω 0,063W 5%
R3048	ERJ2GEJ221X	RES. SMD 220 Ω 0,063W 5%
R3049	ERJ2GEJ221X	RES. SMD 220 Ω 0,063W 5%
R3050	ERJ2GEJ221X	RES. SMD 220 Ω 0,063W 5%
R3075	ERJ6ENF75R0V	RES. PRECISO SMD 75 Ω 1/8 W 1%
R3076	ERJ6ENF75R0V	RES. PRECISO SMD 75 Ω 1/8 W 1%
R3078	ERJ6ENF75R0V	RES. PRECISO SMD 75 Ω 1/8 W 1%
R3084	ERJ6ENF75R0V	RES. PRECISO SMD 75 Ω 1/8 W 1%
R3085	ERJ6ENF75R0V	RES. PRECISO SMD 75 Ω 1/8 W 1%
R3086	ERJ6ENF75R0V	RES. PRECISO SMD 75 Ω 1/8 W 1%
R3094	ERJ2GE0R00X	RES. SMD 0 Ω 0,063W
R3097	ERJ6ENF75R0V	RES. PRECISO SMD 75 Ω 1/8 W 1%
R3101	ERJ2GEJ472X	RES. SMD 4,70 kΩ 0,063W 5%
R3103	ERJ2GEJ472X	RES. SMD 4,70 kΩ 0,063W 5%
R3112	ERJ2GE0R00X	RES. SMD 0 Ω 0,063W
R3113	ERJ2GE0R00X	RES. SMD 0 Ω 0,063W
R3118	ERJ2GEJ221X	RES. SMD 220 Ω 0,063W 5%
R3119	ERJ2GEJ221X	RES. SMD 220 Ω 0,063W 5%
R3120	ERJ2GEJ331X	RES. SMD 330 Ω 1/16 W 5%
R3121	ERJ6ENF75R0V	RES. PRECISO SMD 75 Ω 1/8 W 1%
R3123	ERJ2GEJ221X	RES. SMD 220 Ω 0,063W 5%
R3124	ERJ2GEJ472X	RES. SMD 4,70 kΩ 0,063W 5%
R3125	ERJ2GEJ221X	RES. SMD 220 Ω 0,063W 5%
R3128	ERJ2GEJ221X	RES. SMD 220 Ω 0,063W 5%
R3132	ERJ2GEJ820X	RES. SMD 82 Ω 1/16W 5%
R3133	ERJ2GEJ820X	RES. SMD 82 Ω 1/16W 5%
R3134	ERJ2GEJ820X	RES. SMD 82 Ω 1/16W 5%
R3138	ERJ2GEJ820X	RES. SMD 82 Ω 1/16W 5%
R3139	ERJ2GEJ820X	RES. SMD 82 Ω 1/16W 5%
R3140	ERJ2GEJ820X	RES. SMD 82 Ω 1/16W 5%
R3146	ERJ2GEJ331X	RES. SMD 330 Ω 1/16 W 5%
R3167	ERJ6ENF75R0V	RES. PRECISO SMD 75 Ω 1/8 W 1%
R3169	ERJ2GEJ104X	RES. SMD 100 kΩ 0,063W 5%
R3182	ERJ2GE0R00X	RES. SMD 0 Ω 0,063W
R3186	ERJ6ENF75R0V	RES. PRECISO SMD 75 Ω 1/8 W 1%
R3187	ERJ6ENF75R0V	RES. PRECISO SMD 75 Ω 1/8 W 1%
R3188	ERJ6ENF75R0V	RES. PRECISO SMD 75 Ω 1/8 W 1%
R3189	ERJ2GEJ680X	RES. SMD 68 Ω 1/16 W 5%

REF.	CÓDIGO	DESCRIÇÃO
R3190	ERJ2GEJ680X	RES. SMD 68 Ω 1/16 W 5%
R3191	ERJ2GEJ680X	RES. SMD 68 Ω 1/16 W 5%
R3218	ERJ2GE0R00X	RES. SMD 0 Ω 0,063W
R3222	ERJ2GE0R00X	RES. SMD 0 Ω 0,063W
R3223	ERJ2GEJ680X	RES. SMD 68 Ω 1/16 W 5%
R3224	ERJ2GE0R00X	RES. SMD 0 Ω 0,063W
R3225	ERJ2GEJ680X	RES. SMD 68 Ω 1/16 W 5%
R3226	ERJ2GEJ472X	RES. SMD 4,70 kΩ 0,063W 5%
R3227	ERJ2GEJ472X	RES. SMD 4,70 kΩ 0,063W 5%
R3230	ERJ6ENF75R0V	RES. PRECISO SMD 75 Ω 1/8 W 1%
R3231	ERJ2GE0R00X	RES. SMD 0 Ω 0,063W
R3232	ERJ6ENF75R0V	RES. PRECISO SMD 75 Ω 1/8 W 1%
R3233	ERJ2GE0R00X	RES. SMD 0 Ω 0,063W
R3234	ERJ6ENF75R0V	RES. PRECISO SMD 75 Ω 1/8 W 1%
R3235	ERJ2GE0R00X	RES. SMD 0 Ω 0,063W
R3236	ERJ2GEJ680X	RES. SMD 68 Ω 1/16 W 5%
R3237	ERJ2GEJ680X	RES. SMD 68 Ω 1/16 W 5%
R3240	ERJ2GEJ221X	RES. SMD 220 Ω 0,063W 5%
R3287	ERJ2GEJ473X	RES. SMD SMD 47 kΩ
R3288	ERJ2GEJ473X	RES. SMD SMD 47 kΩ
R3289	ERJ2GEJ220X	RES. SMD 22 Ω 1/16 W 5%
R3308	ERJ2GEJ223X	RES. SMD 22 kΩ 1/16 W 5%
R3309	ERJ2GEJ223X	RES. SMD 22 kΩ 1/16 W 5%
R4277	ERJ2GEJ103X	RES. SMD 10 kΩ 0,063W 5%
R4284	ERJ2GEJ103X	RES. SMD 10 kΩ 0,063W 5%
R4285	ERJ2GEJ103X	RES. SMD 10 kΩ 0,063W 5%
R4286	ERJ2GEJ103X	RES. SMD 10 kΩ 0,063W 5%
R4294	ERJ2GEJ103X	RES. SMD 10 kΩ 0,063W 5%
R4300	ERJ2GEJ103X	RES. SMD 10 kΩ 0,063W 5%
R4305	ERJ2GEJ473X	RES. SMD SMD 47 kΩ
R4306	ERJ2GEJ473X	RES. SMD SMD 47 kΩ
R4309	ERJ2GEJ103X	RES. SMD 10 kΩ 0,063W 5%
R4310	ERJ2GEJ102X	RES. SMD 1 kΩ 0,063W 5%
R4311	ERJ2GEJ473X	RES. SMD SMD 47 kΩ
R4312	ERJ2GEJ302X	RES. SMD 3 kΩ 1/16 W 5%
R4315	ERJ2GEJ102X	RES. SMD 1 kΩ 0,063W 5%
R4316	ERJ2GEJ102X	RES. SMD 1 kΩ 0,063W 5%
R4317	ERJ2GEJ103X	RES. SMD 10 kΩ 0,063W 5%
R4318	ERJ2GEJ103X	RES. SMD 10 kΩ 0,063W 5%
R4319	ERJ2GEJ473X	RES. SMD SMD 47 kΩ
R4320	ERJ2GEJ103X	RES. SMD 10 kΩ 0,063W 5%
R4321	ERJ2GEJ102X	RES. SMD 1 kΩ 0,063W 5%
R4322	ERJ2GEJ103X	RES. SMD 10 kΩ 0,063W 5%
R4323	ERJ2GEJ473X	RES. SMD SMD 47 kΩ
R4324	ERJ2GEJ473X	RES. SMD SMD 47 kΩ
R4325	ERJ3EKF5111V	RES. PRECISO SMD 5,11 kΩ 1/10 W 1%
R4326	D1BD4871A044	RES. F. METÁLICO SMD 4,87 kΩ 1/8W 1%
R4327	ERJ2GEJ302X	RES. SMD 3 kΩ 1/16 W 5%
R4328	ERJ2GEJ102X	RES. SMD 1 kΩ 0,063W 5%
R4329	ERJ2RKF3901X	RES. F. METÁLICO SMD 3,90 kΩ 1/16 W 5%
R4330	ERJ2GEJ100X	RES. SMD 10 Ω 1/16 W 5%

REF.	CÓDIGO	DESCRIÇÃO
R4352	ERJ2GEJ473X	RES. SMD SMD 47 kΩ
R4357	ERJ2GEJ103X	RES. SMD 10 kΩ 0,063W 5%
R4359	ERJ2GE0R00X	RES. SMD 0 Ω 0,063W
R4360	ERJ2GE0R00X	RES. SMD 0 Ω 0,063W
R4367	ERJ2GE0R00X	RES. SMD 0 Ω 0,063W
R4500	ERJ2GEJ103X	RES. SMD 10 kΩ 0,063W 5%
R4501	ERJ2GEJ103X	RES. SMD 10 kΩ 0,063W 5%
R4502	ERJ2GEJ330X	RES. SMD 33 Ω
R4503	ERJ2GEJ330X	RES. SMD 33 Ω
R4504	ERJ2GEJ102X	RES. SMD 1 kΩ 0,063W 5%
R4505	ERJ2GEJ102X	RES. SMD 1 kΩ 0,063W 5%
R4506	ERJ2GEJ473X	RES. SMD SMD 47 kΩ
R4507	ERJ2GEJ473X	RES. SMD SMD 47 kΩ
R4524	ERJ2GEJ103X	RES. SMD 10 kΩ 0,063W 5%
R4525	ERJ2GEJ103X	RES. SMD 10 kΩ 0,063W 5%
R4528	ERJ2GEJ103X	RES. SMD 10 kΩ 0,063W 5%
R4529	ERJ2GEJ103X	RES. SMD 10 kΩ 0,063W 5%
R4530	ERJ2GEJ103X	RES. SMD 10 kΩ 0,063W 5%
R4531	ERJ2GEJ103X	RES. SMD 10 kΩ 0,063W 5%
R4532	ERJ2GEJ473X	RES. SMD SMD 47 kΩ
R4533	ERJ2GEJ473X	RES. SMD SMD 47 kΩ
R4534	ERJ2GEJ473X	RES. SMD SMD 47 kΩ
R4538	ERJ2GEJ473X	RES. SMD SMD 47 kΩ
R4539	ERJ2GE0R00X	RES. SMD 0 Ω 0,063W
R4540	ERJ2GEJ473X	RES. SMD SMD 47 kΩ
R4541	ERJ2GE0R00X	RES. SMD 0 Ω 0,063W
R4542	ERJ2GE0R00X	RES. SMD 0 Ω 0,063W
R4543	ERJ2GE0R00X	RES. SMD 0 Ω 0,063W
R4552	ERJ2GEJ220X	RES. SMD 22 Ω 1/16 W 5%
R4587	D1BB60400001	RES. F. METÁLICO 604 Ω 1/10W 1%
R4588	D1BB8060A055	RES. F. METÁLICO 806 Ω 1/10W 1%
R4589	D1BB8060A055	RES. F. METÁLICO 806 Ω 1/10W 1%
R4592	D1BB8060A055	RES. F. METÁLICO 806 Ω 1/10W 1%
R4593	D1BB2201A055	RES. F. METÁLICO 2,20 kΩ 1/10W 1%
R4596	ERJ6GEYJ102V	RES. SMD 1 kΩ 1/8 W 5%
R4597	ERJ6GEYJ102V	RES. SMD 1 kΩ 1/8 W 5%
R4598	ERJ6GEYJ102V	RES. SMD 1 kΩ 1/8 W 5%
R4601	ERJ6GEYJ102V	RES. SMD 1 kΩ 1/8 W 5%
R4604	ERJ2GE0R00X	RES. SMD 0 Ω 0,063W
R4605	D1BB2201A055	RES. F. METÁLICO 2,20 kΩ 1/10W 1%
R4607	ERJ2GE0R00X	RES. SMD 0 Ω 0,063W
R4608	ERJ6GEYJ102V	RES. SMD 1 kΩ 1/8 W 5%
R4609	ERJ2GEJ122X	RES. SMD 1,20 kΩ 1/16 W 5%
R4613	ERJ2GE0R00X	RES. SMD 0 Ω 0,063W
R4614	ERJ2GE0R00X	RES. SMD 0 Ω 0,063W
R4615	ERJ2GE0R00X	RES. SMD 0 Ω 0,063W
R4616	ERJ2GE0R00X	RES. SMD 0 Ω 0,063W
R4620	ERJ2GEJ473X	RES. SMD SMD 47 kΩ
R4623	ERJ2GE0R00X	RES. SMD 0 Ω 0,063W
R4624	ERJ2GEJ103X	RES. SMD 10 kΩ 0,063W 5%
R4626	D1BB2200A055	RES. F. METÁLICO 220 Ω 1/10W 1%

REF.	CÓDIGO	DESCRIÇÃO
R4627	D1BB2200A055	RES. F. METÁLICO 220 Ω 1/10W 1%
R4631	D1BB4990A055	RES. F. METÁLICO 499 Ω 1/10W 1%
R4634	D1BB2200A055	RES. F. METÁLICO 220 Ω 1/10W 1%
R4635	EXB28V680JX	REDE RES. SMD 68 Ω 1/3 W 5%
R4636	ERJ2GEJ680X	RES. SMD 68 Ω 1/16 W 5%
R4637	ERJ2GEJ473X	RES. SMD SMD 47 kΩ
R4638	ERJ2GEJ680X	RES. SMD 68 Ω 1/16 W 5%
R4639	EXB28V680JX	REDE RES. SMD 68 Ω 1/3 W 5%
R4640	EXB28V680JX	REDE RES. SMD 68 Ω 1/3 W 5%
R4641	ERJ2GEJ473X	RES. SMD SMD 47 kΩ
R4642	ERJ2GEJ473X	RES. SMD SMD 47 kΩ
R4645	ERJ2GEJ680X	RES. SMD 68 Ω 1/16 W 5%
R4646	ERJ2GEJ680X	RES. SMD 68 Ω 1/16 W 5%
R4648	EXB28V330JX	REDE RES. SMD 33 Ω 1/3 W 5%
R4649	EXB28V680JX	REDE RES. SMD 68 Ω 1/3 W 5%
R4650	ERJ2GEJ680X	RES. SMD 68 Ω 1/16 W 5%
R4651	ERJ2GEJ680X	RES. SMD 68 Ω 1/16 W 5%
R4652	ERJ2GEJ473X	RES. SMD SMD 47 kΩ
R4656	ERJ2GEJ222X	RES. SMD 2,20 kΩ 0,063W 5%
R4664	D1BB60400001	RES. F. METÁLICO 604 Ω 1/10W 1%
R4665	ERJ2GEJ473X	RES. SMD SMD 47 kΩ
R4666	ERJ2GEJ473X	RES. SMD SMD 47 kΩ
R4672	ERJ2GEJ473X	RES. SMD SMD 47 kΩ
R4674	ERJ2GEJ103X	RES. SMD 10 kΩ 0,063W 5%
R4677	ERJ2GEJ103X	RES. SMD 10 kΩ 0,063W 5%
R4678	EXB28V680JX	REDE RES. SMD 68 Ω 1/3 W 5%
R4679	EXB28V680JX	REDE RES. SMD 68 Ω 1/3 W 5%
R4698	ERJ2GEJ104X	RES. SMD 100 kΩ 0,063W 5%
R4699	ERJ2GEJ104X	RES. SMD 100 kΩ 0,063W 5%
R4700	ERJ2GEJ473X	RES. SMD SMD 47 kΩ
R4707	ERJ2GEJ473X	RES. SMD SMD 47 kΩ
R4728	ERJ2GEJ103X	RES. SMD 10 kΩ 0,063W 5%
R4729	ERJ2GEJ330X	RES. SMD 33 Ω
R4732	ERJ2GEJ473X	RES. SMD SMD 47 kΩ
R4733	ERJ2GEJ103X	RES. SMD 10 kΩ 0,063W 5%
R4734	ERJ2GEJ102X	RES. SMD 1 kΩ 0,063W 5%
R4735	ERJ2GEJ103X	RES. SMD 10 kΩ 0,063W 5%
R4736	ERJ2GEJ473X	RES. SMD SMD 47 kΩ
R4738	ERJ2GEJ473X	RES. SMD SMD 47 kΩ
R4739	ERJ2GEJ103X	RES. SMD 10 kΩ 0,063W 5%
R4740	ERJ2GEJ473X	RES. SMD SMD 47 kΩ
R4742	ERJ2GE0R00X	RES. SMD 0 Ω 0,063W
R4743	ERJ2GE0R00X	RES. SMD 0 Ω 0,063W
R4799	EXB28V680JX	REDE RES. SMD 68 Ω 1/3 W 5%
R4862	ERJ2GEJ473X	RES. SMD SMD 47 kΩ
R4863	ERJ2GEJ103X	RES. SMD 10 kΩ 0,063W 5%
R5407	ERJ2GEJ103X	RES. SMD 10 kΩ 0,063W 5%
R5408	ERJ2GEJ473X	RES. SMD SMD 47 kΩ
R5409	ERJ2GEJ103X	RES. SMD 10 kΩ 0,063W 5%
R5410	ERJ2GEJ103X	RES. SMD 10 kΩ 0,063W 5%
R5411	ERJ2RKF5361X	RES. F. METÁLICO 5,36 kΩ 1/16 W 1%

REF.	CÓDIGO	DESCRIÇÃO
R5412	ERJ2RKF1501X	RES. SMD 1.500 Ω
R5414	ERJ2RKF6342X	RES. F. METÁLICO 63,40 kΩ 1/16 W 1%
R5415	ERJ2RKF1002X	RES. SMD 10 kΩ 1/16 W
R5421	ERJ2GEJ103X	RES. SMD 10 kΩ 0,063W 5%
R5422	ERJ2GEJ473X	RES. SMD SMD 47 kΩ
R5423	ERJ2GEJ563X	RES. SMD 56 kΩ 1/16 W 5%
R5424	ERJ2GEJ223X	RES. SMD 22 kΩ 1/16 W 5%
R5425	ERJ2GEJ103X	RES. SMD 10 kΩ 0,063W 5%
R5431	ERJ2GEJ103X	RES. SMD 10 kΩ 0,063W 5%
R5432	ERJ2GEJ473X	RES. SMD SMD 47 kΩ
R5433	ERJ2GEJ333X	RES. SMD 33 kΩ 1/16 W 5%
R5434	ERJ2GEJ223X	RES. SMD 22 kΩ 1/16 W 5%
R5435	ERJ12YJ471U	RES. SMD 470 Ω 1/2 W 5%
R5441	ERJ6ENF8202V	RES. PRECISO SMD 82 kΩ 1/8 W 1%
R5442	D1BD1602A044	RES. SMD 16 kΩ 1/8 W 1%
R5443	ERJ6GEY0R00V	RES. SMD 0 Ω 1/8 W
R5449	ERJ2GE0R00X	RES. SMD 0 Ω 0,063W
R5461	ERJ2GEJ473X	RES. SMD SMD 47 kΩ
R5462	ERJ2GEJ274X	RES. SMD 270 kΩ 0,063W 5%
R5463	ERJ2GEJ105X	RES. SMD 1 MΩ 1/16 W 5%
R5469	ERJ2GEJ203X	RES. SMD 20 kΩ 0,063W 5%
R5470	ERJ2GEJ222X	RES. SMD 2,20 kΩ 0,063W 5%
R5474	ERJ2GE0R00X	RES. SMD 0 Ω 0,063W
R5475	ERJ2GEJ103X	RES. SMD 10 kΩ 0,063W 5%
R5476	ERJ2GEJ153X	RES. SMD 15 kΩ 1/16 W 5%
R5479	ERJ2GE0R00X	RES. SMD 0 Ω 0,063W
R5480	ERJ2GEJ473X	RES. SMD SMD 47 kΩ
R5481	ERJ2GEJ101X	RES. SMD 100 Ω 0,063W 5%
R5482	ERJ2GEJ470X	RES. SMD 47 Ω 1/16 W 5%
R5483	ERJ2GEJ563X	RES. SMD 56 kΩ 1/16 W 5%
R5484	ERJ2GEJ203X	RES. SMD 20 kΩ 0,063W 5%
R5485	ERJ2GEJ101X	RES. SMD 100 Ω 0,063W 5%
R5486	ERJ2GEJ103X	RES. SMD 10 kΩ 0,063W 5%
R5487	ERJ2GEJ473X	RES. SMD SMD 47 kΩ
R5488	ERJ2GEJ183X	RES. SMD 18 kΩ 1/16 W 5%
R5489	ERJ2GEJ333X	RES. SMD 33 kΩ 1/16 W 5%
R5490	ERJ2GEJ472X	RES. SMD 4,70 kΩ 0,063W 5%
R5491	ERJ6GEYJ331V	RES. SMD 330 Ω 1/8 W 5%
R5492	ERJ2GEJ680X	RES. SMD 68 Ω 1/16 W 5%
R5493	ERJ2GEJ223X	RES. SMD 22 kΩ 1/16 W 5%
R5494	ERJ2GEJ683X	RES. SMD 68 kΩ 1/16 W 5%
R5495	ERJ2GEJ103X	RES. SMD 10 kΩ 0,063W 5%
R5496	ERJ2GEJ473X	RES. SMD SMD 47 kΩ
R5497	ERJ2GEJ473X	RES. SMD SMD 47 kΩ
R5498	ERJ2GE0R00X	RES. SMD 0 Ω 0,063W
R5499	ERJ2GEJ102X	RES. SMD 1 kΩ 0,063W 5%
R5603	D1BB2402A055	RES. F. METÁLICO 24 kΩ 1/10W 1%
R5604	D1BB3901A055	RES. F. METÁLICO 3,90 kΩ 1/10W 1%
R5605	D1BB2201A055	RES. F. METÁLICO 2,20 kΩ 1/10W 1%
R5610	ERJ2GEJ5R6X	RES. SMD 5,60 Ω 1/16W 5%
R5620	ERJ2GEJ680X	RES. SMD 68 Ω 1/16 W 5%

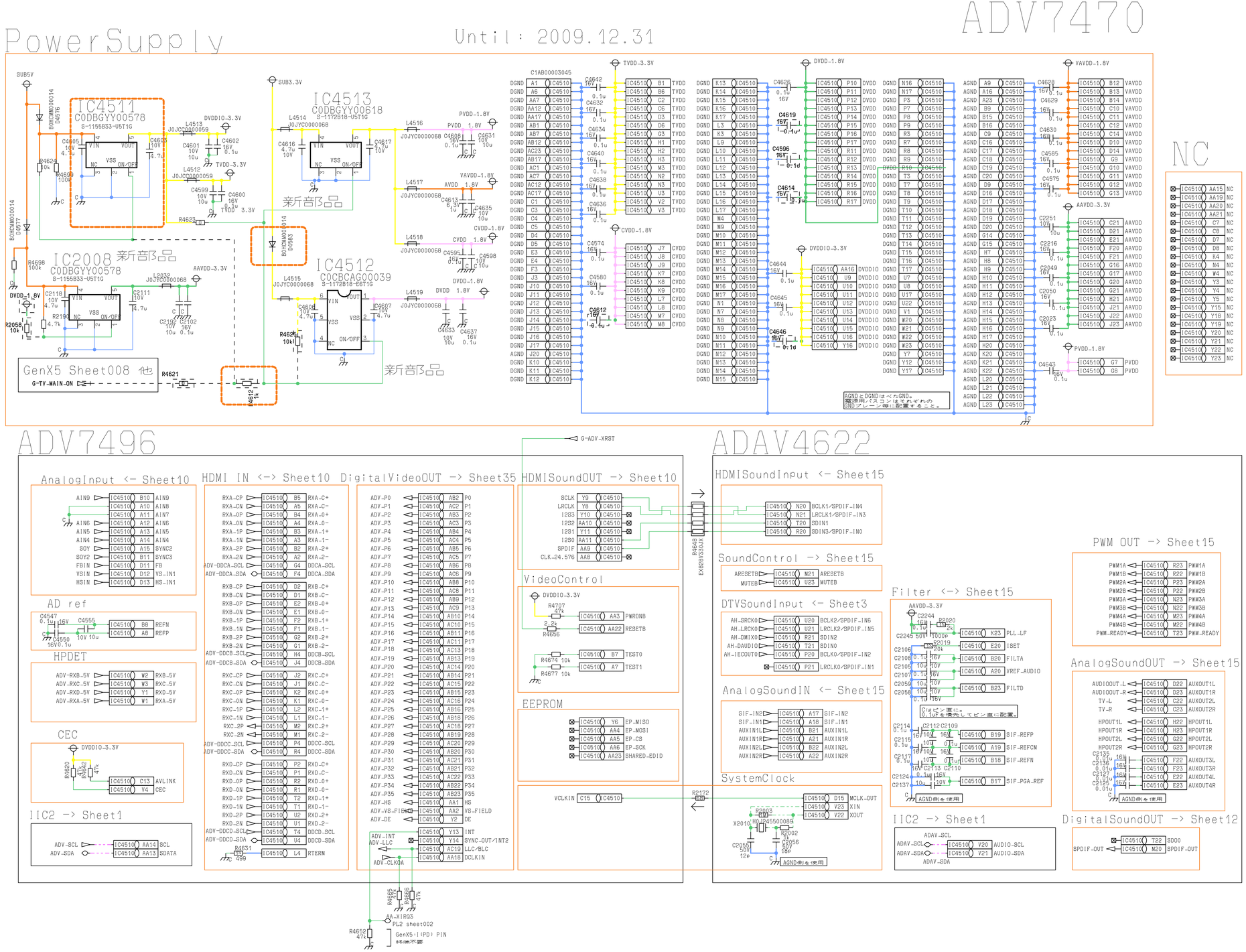
REF.	CÓDIGO	DESCRIÇÃO
R5629	D1BB2101A055	RES. F. METÁLICO 2,10 kΩ 1/10W 1%
R5630	D1BB3301A055	RES. F. METÁLICO 3,30 kΩ 1/10W 1%
R5631	D1BB3901A055	RES. F. METÁLICO 3,90 kΩ 1/10W 1%
R5632	D1BB4021A055	RES. F. METÁLICO 4,02 kΩ 1/10W 1%
R5633	D1BB1602A055	RES. F. METÁLICO 16 kΩ 1/10W 1%
R5634	D1BB2002A055	RES. F. METÁLICO 20 kΩ 1/10W 1%
R5635	ERJ2GEJ5R6X	RES. SMD 5,60 Ω 1/16W 5%
R8004	D1BB2402A055	RES. F. METÁLICO 24 kΩ 1/10W 1%
R8005	D1BB1002A055	RES. F. METÁLICO 10 kΩ 1/10W 1%
R8006	D1BB2402A055	RES. F. METÁLICO 24 kΩ 1/10W 1%
R8007	D0GBR00Z0002	RES. SMD 0 Ω 1/10 W
R8026	ERJ2GE0R00X	RES. SMD 0 Ω 0,063W
R8027	ERJ2GE0R00X	RES. SMD 0 Ω 0,063W
R8030	ERJ2GEJ101X	RES. SMD 100 Ω 0,063W 5%
R8031	ERJ2RKF1001X	RES. F. METÁLICO 1 kΩ 1/16 W 5%
R8032	ERJ2RKF1001X	RES. F. METÁLICO 1 kΩ 1/16 W 5%
R8056	ERJ2GEJ470X	RES. SMD 47 Ω 1/16 W 5%
R8057	ERJ2GEJ470X	RES. SMD 47 Ω 1/16 W 5%
R8058	ERJ2GEJ470X	RES. SMD 47 Ω 1/16 W 5%
R8059	ERJ2GEJ470X	RES. SMD 47 Ω 1/16 W 5%
R8060	ERJ2GEJ470X	RES. SMD 47 Ω 1/16 W 5%
R8061	ERJ2GEJ470X	RES. SMD 47 Ω 1/16 W 5%
R8062	ERJ2GEJ470X	RES. SMD 47 Ω 1/16 W 5%
R8063	ERJ2GEJ470X	RES. SMD 47 Ω 1/16 W 5%
R8064	ERJ2GEJ470X	RES. SMD 47 Ω 1/16 W 5%
R8065	ERJ2GEJ470X	RES. SMD 47 Ω 1/16 W 5%
R8066	ERJ2GEJ470X	RES. SMD 47 Ω 1/16 W 5%
R8067	ERJ2GEJ470X	RES. SMD 47 Ω 1/16 W 5%
R8068	ERJ2GEJ470X	RES. SMD 47 Ω 1/16 W 5%
R8069	ERJ2GEJ470X	RES. SMD 47 Ω 1/16 W 5%
R8070	ERJ2GEJ470X	RES. SMD 47 Ω 1/16 W 5%
R8071	ERJ2GEJ470X	RES. SMD 47 Ω 1/16 W 5%
R8072	ERJ2GEJ470X	RES. SMD 47 Ω 1/16 W 5%
R8073	ERJ2GEJ470X	RES. SMD 47 Ω 1/16 W 5%
R8074	ERJ2GEJ221X	RES. SMD 220 Ω 0,063W 5%
R8075	ERJ2GEJ470X	RES. SMD 47 Ω 1/16 W 5%
R8076	ERJ2GEJ470X	RES. SMD 47 Ω 1/16 W 5%
R8077	ERJ2GEJ470X	RES. SMD 47 Ω 1/16 W 5%
R8078	ERJ2GEJ470X	RES. SMD 47 Ω 1/16 W 5%
R8081	ERJ2GEJ103X	RES. SMD 10 kΩ 0,063W 5%
R8082	ERJ2RKF75R0X	RES. SMD 75 Ω 1/16W 5%
R8083	ERJ2GEJ301X	RES. SMD 300 Ω 1/16 W 5%
R8086	ERJ2GEJ104X	RES. SMD 100 kΩ 0,063W 5%
R8088	ERJ2GEJ103X	RES. SMD 10 kΩ 0,063W 5%
R8089	ERJ2GEJ103X	RES. SMD 10 kΩ 0,063W 5%
R8091	ERJ2GEJ101X	RES. SMD 100 Ω 0,063W 5%
R8093	ERJ2GEJ101X	RES. SMD 100 Ω 0,063W 5%
R8095	ERJ2GEJ103X	RES. SMD 10 kΩ 0,063W 5%
R8096	ERJ2GEJ101X	RES. SMD 100 Ω 0,063W 5%
R8097	ERJ2GEJ221X	RES. SMD 220 Ω 0,063W 5%
R8100	ERJ2GEJ470X	RES. SMD 47 Ω 1/16 W 5%

REF.	CÓDIGO	DESCRIÇÃO
R8101	ERJ2GEJ103X	RES. SMD 10 kΩ 0,063W 5%
R8115	J0JBC0000098	BEAD CORE SMD
R8260	ERJ2GEJ102X	RES. SMD 1 kΩ 0,063W 5%
R8272	ERJ2GEJ103X	RES. SMD 10 kΩ 0,063W 5%
R8412	ERJ2GEJ103X	RES. SMD 10 kΩ 0,063W 5%
R8471	ERJ2GEJ103X	RES. SMD 10 kΩ 0,063W 5%
R8475	EXB28V103JX	REDE RES. SMD 10 kΩ 5%
R8493	ERJ2GEJ680X	RES. SMD 68 Ω 1/16 W 5%
R8494	ERJ2GEJ222X	RES. SMD 2,20 kΩ 0,063W 5%
R8496	ERJ2GEJ222X	RES. SMD 2,20 kΩ 0,063W 5%
R8501	ERJ2GEJ101X	RES. SMD 100 Ω 0,063W 5%
R8502	ERJ2GEJ331X	RES. SMD 330 Ω 1/16 W 5%
R8503	ERJ2GEJ331X	RES. SMD 330 Ω 1/16 W 5%
R8504	ERJ2GEJ331X	RES. SMD 330 Ω 1/16 W 5%
R8506	ERJ2GEJ331X	RES. SMD 330 Ω 1/16 W 5%
R8508	ERJ2GEJ680X	RES. SMD 68 Ω 1/16 W 5%
R8510	D1BB1600A055	RES. F. METÁLICO 160 Ω 1/10W 1%
R8511	ERJ2GEJ472X	RES. SMD 4,70 kΩ 0,063W 5%
R8514	ERJ2GEJ680X	RES. SMD 68 Ω 1/16 W 5%
R8515	ERJ2GEJ222X	RES. SMD 2,20 kΩ 0,063W 5%
R8516	ERJ2GEJ222X	RES. SMD 2,20 kΩ 0,063W 5%
R8517	ERJ2GEJ103X	RES. SMD 10 kΩ 0,063W 5%
R8520	ERJ2GEJ103X	RES. SMD 10 kΩ 0,063W 5%
R8558	ERJ2GEJ680X	RES. SMD 68 Ω 1/16 W 5%
R8575	ERJ2GEJ680X	RES. SMD 68 Ω 1/16 W 5%
R8576	ERJ2GEJ680X	RES. SMD 68 Ω 1/16 W 5%
R8577	ERJ2GEJ680X	RES. SMD 68 Ω 1/16 W 5%
R8578	ERJ2GEJ680X	RES. SMD 68 Ω 1/16 W 5%
R8579	ERJ2GEJ680X	RES. SMD 68 Ω 1/16 W 5%
R8580	ERJ2GEJ680X	RES. SMD 68 Ω 1/16 W 5%
R8581	ERJ2GEJ103X	RES. SMD 10 kΩ 0,063W 5%
R8582	ERJ2GEJ680X	RES. SMD 68 Ω 1/16 W 5%
R8585	ERJ2GEJ680X	RES. SMD 68 Ω 1/16 W 5%
R8606	ERJ2GEJ680X	RES. SMD 68 Ω 1/16 W 5%
R8607	ERJ2GEJ680X	RES. SMD 68 Ω 1/16 W 5%
R8608	ERJ2GEJ680X	RES. SMD 68 Ω 1/16 W 5%
R8609	ERJ2GEJ103X	RES. SMD 10 kΩ 0,063W 5%
R8610	ERJ2GEJ680X	RES. SMD 68 Ω 1/16 W 5%
R8611	ERJ2GEJ680X	RES. SMD 68 Ω 1/16 W 5%
R8612	ERJ2GEJ680X	RES. SMD 68 Ω 1/16 W 5%
R8613	ERJ2GEJ680X	RES. SMD 68 Ω 1/16 W 5%
R8614	ERJ2GEJ680X	RES. SMD 68 Ω 1/16 W 5%
R8615	ERJ2GEJ680X	RES. SMD 68 Ω 1/16 W 5%
R8616	ERJ2GEJ680X	RES. SMD 68 Ω 1/16 W 5%
R8617	ERJ2GEJ680X	RES. SMD 68 Ω 1/16 W 5%
R8618	ERJ2GEJ103X	RES. SMD 10 kΩ 0,063W 5%
R8619	ERJ2GEJ103X	RES. SMD 10 kΩ 0,063W 5%
R8620	ERJ2GEJ103X	RES. SMD 10 kΩ 0,063W 5%
R8626	ERJ2GEJ680X	RES. SMD 68 Ω 1/16 W 5%
R8627	ERJ2GEJ680X	RES. SMD 68 Ω 1/16 W 5%
R8628	ERJ2GEJ103X	RES. SMD 10 kΩ 0,063W 5%

REF.	CÓDIGO	DESCRIÇÃO
R8629	ERJ2GEJ103X	RES. SMD 10 kΩ 0,063W 5%
R8630	ERJ2GEJ103X	RES. SMD 10 kΩ 0,063W 5%
R8637	ERJ2GEJ680X	RES. SMD 68 Ω 1/16 W 5%
R8638	ERJ2GEJ680X	RES. SMD 68 Ω 1/16 W 5%
R8639	ERJ2GEJ680X	RES. SMD 68 Ω 1/16 W 5%
R8640	ERJ2GEJ103X	RES. SMD 10 kΩ 0,063W 5%
R8641	ERJ2GEJ103X	RES. SMD 10 kΩ 0,063W 5%
R8642	ERJ2GEJ103X	RES. SMD 10 kΩ 0,063W 5%
R8644	ERJ2GE0R00X	RES. SMD 0 Ω 0,063W
R8645	ERJ2GEJ680X	RES. SMD 68 Ω 1/16 W 5%
R8646	ERJ2GEJ680X	RES. SMD 68 Ω 1/16 W 5%
R8647	ERJ2GEJ680X	RES. SMD 68 Ω 1/16 W 5%
R8651	ERJ2GEJ680X	RES. SMD 68 Ω 1/16 W 5%
R8652	ERJ2GEJ680X	RES. SMD 68 Ω 1/16 W 5%
R8653	ERJ2GEJ680X	RES. SMD 68 Ω 1/16 W 5%
R8654	ERJ2GEJ103X	RES. SMD 10 kΩ 0,063W 5%
R8658	ERJ2GEJ103X	RES. SMD 10 kΩ 0,063W 5%
R8660	ERJ2GE0R00X	RES. SMD 0 Ω 0,063W
R8661	ERJ2GEJ103X	RES. SMD 10 kΩ 0,063W 5%
R8663	ERJ2GEJ103X	RES. SMD 10 kΩ 0,063W 5%
R8665	ERJ2GEJ222X	RES. SMD 2,20 kΩ 0,063W 5%
R8666	ERJ2GEJ103X	RES. SMD 10 kΩ 0,063W 5%
R8667	ERJ2GEJ680X	RES. SMD 68 Ω 1/16 W 5%
R8672	EXB2HV680JV	REDE RES. SMD 68 Ω 1/16 W 5%
R8673	EXB2HV680JV	REDE RES. SMD 68 Ω 1/16 W 5%
R8674	EXB2HV103JV	REDE RES. SMD 10 kΩ 1/16 W 5%
R8676	ERJ2GEJ103X	RES. SMD 10 kΩ 0,063W 5%
R8677	ERJ2GEJ222X	RES. SMD 2,20 kΩ 0,063W 5%
R8683	ERJ2GEJ680X	RES. SMD 68 Ω 1/16 W 5%
R8688	EXB2HV680JV	REDE RES. SMD 68 Ω 1/16 W 5%
R8689	EXB2HV680JV	REDE RES. SMD 68 Ω 1/16 W 5%
R8690	EXB2HV680JV	REDE RES. SMD 68 Ω 1/16 W 5%
R8691	ERJ2GEJ103X	RES. SMD 10 kΩ 0,063W 5%
R8692	ERJ2GEJ680X	RES. SMD 68 Ω 1/16 W 5%
R8696	ERJ2GEJ103X	RES. SMD 10 kΩ 0,063W 5%
R8697	ERJ2GEJ222X	RES. SMD 2,20 kΩ 0,063W 5%
R8703	ERJ2GEJ680X	RES. SMD 68 Ω 1/16 W 5%
R8715	ERJ2GEJ103X	RES. SMD 10 kΩ 0,063W 5%
R8716	ERJ2GEJ103X	RES. SMD 10 kΩ 0,063W 5%
R8718	ERJ2GEJ103X	RES. SMD 10 kΩ 0,063W 5%
R8719	EXB28V103JX	REDE RES. SMD 10 kΩ 5%
R8722	EXB28V103JX	REDE RES. SMD 10 kΩ 5%
R8723	ERJ2GEJ103X	RES. SMD 10 kΩ 0,063W 5%
R8724	ERJ2GEJ680X	RES. SMD 68 Ω 1/16 W 5%
R8725	ERJ2GEJ680X	RES. SMD 68 Ω 1/16 W 5%
R8726	ERJ2GEJ680X	RES. SMD 68 Ω 1/16 W 5%
R8729	ERJ2GEJ121X	RES. SMD 120 Ω 1/16 W 5%
R8730	ERJ2GEJ121X	RES. SMD 120 Ω 1/16 W 5%
R8732	ERJ2GEJ121X	RES. SMD 120 Ω 1/16 W 5%
R8733	ERJ2GEJ121X	RES. SMD 120 Ω 1/16 W 5%
R8734	ERJ2GEJ121X	RES. SMD 120 Ω 1/16 W 5%

REF.	CÓDIGO	DESCRIÇÃO
R8735	ERJ2GEJ121X	RES. SMD 120 Ω 1/16 W 5%
R8736	ERJ2GEJ121X	RES. SMD 120 Ω 1/16 W 5%
R8738	ERJ2GEJ121X	RES. SMD 120 Ω 1/16 W 5%
R8739	ERJ2GEJ121X	RES. SMD 120 Ω 1/16 W 5%
R8740	ERJ2GEJ121X	RES. SMD 120 Ω 1/16 W 5%
R8742	EXB2HV121JV	REDE RES. SMD 120 Ω 1/16 W 5%
R8745	EXB2HV121JV	REDE RES. SMD 120 Ω 1/16 W 5%
R8746	ERJ2GEJ103X	RES. SMD 10 kΩ 0,063W 5%
R8747	ERJ2GEJ103X	RES. SMD 10 kΩ 0,063W 5%
R8750	ERJ2GEJ103X	RES. SMD 10 kΩ 0,063W 5%
R8751	ERJ2GEJ103X	RES. SMD 10 kΩ 0,063W 5%
R8765	ERJ2GEJ103X	RES. SMD 10 kΩ 0,063W 5%
R8767	ERJ2GEJ103X	RES. SMD 10 kΩ 0,063W 5%
R8768	ERJ2GEJ103X	RES. SMD 10 kΩ 0,063W 5%
R8802	ERJ2GE0R00X	RES. SMD 0 Ω 0,063W
R8803	ERJ2GEJ330X	RES. SMD 33 Ω
R8804	ERJ2GEJ330X	RES. SMD 33 Ω
R8805	ERJ2GEJ330X	RES. SMD 33 Ω
R8806	ERJ2GEJ330X	RES. SMD 33 Ω
R8807	ERJ2GEJ330X	RES. SMD 33 Ω
R8808	ERJ2GEJ680X	RES. SMD 68 Ω 1/16 W 5%
R8860	ERJ2GEJ680X	RES. SMD 68 Ω 1/16 W 5%
R8898	ERJ2GEJ103X	RES. SMD 10 kΩ 0,063W 5%
R8959	ERJ2GEJ680X	RES. SMD 68 Ω 1/16 W 5%
R8960	ERJ2GEJ680X	RES. SMD 68 Ω 1/16 W 5%
R8963	ERJ2GEJ103X	RES. SMD 10 kΩ 0,063W 5%
RELÊ		
RL801	K6B1AGA00179	RELE 250V AC/5A
CHAVES		
SW2600 ⚠	ESB33535XFD	CHAVE INTERRUPTORA SMD
SW2601	K0H1BA000445	CHAVE DE TOQUE 16V 50,0 mA
SW2602	K0H1BA000445	CHAVE DE TOQUE 16V 50,0 mA
SW2603	K0H1BA000445	CHAVE DE TOQUE 16V 50,0 mA
SW2604	K0H1BA000445	CHAVE DE TOQUE 16V 50,0 mA
SW2605	K0H1BA000445	CHAVE DE TOQUE 16V 50,0 mA
TRANSFORMADORES		
T802 ⚠	ETS35LZ176AD	TRANSFORMADOR CHOPPER (LH81)
T803 ⚠	ETS32CZ129AD	TRANSFORMADOR CHOPPER (LH81)
TUNER		
TU2901B ⚠	ENG36E16GF	TUNER
OSCILADORES		
X1100	H0J100500035	CRISTAL SMD 10 MHz
X2010	H0J245500089	CRISTAL RESSONADOR SMD 24,50 MHz
X8001	H0J270500120	CRISTAL SMD 27 MHz

Panasonic do Brasil Limitada
DIVISÃO CS - SETOR DE APOIO TÉCNICO
Rod. Presidente Dutra, Km 155
São José dos Campos - SP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新部品
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R4621
R4612
1k
SUB5V
SUB3.3V
TVDD-3.3V
DVDD-1.8V
VAVDD-1.8V
AVDD-1.8V
AAVDD-3.3V
PVDD-1.8V
CVDD-1.8V
DVDD3-3.3V
DVDD10-3.3V
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電源用パスコンはそれぞれの
GNDプレーン毎に配置すること。
NC
[Sheet Name]
ADV
REF No. 4500-4799
[Block Class]
COMMON
REF No. 4500-4799
ADV7496
AnalogInput <- Sheet10
AD ref
HPDET
CEC
IIC2 -> Sheet1
HDMI IN <-> Sheet10
DigitalVideoOUT -> Sheet35
VideoControl
EEPROM
HDMISoundOUT -> Sheet10
G-ADV-XRST
ADAV4622
HDMISoundInput <- Sheet15
SoundControl -> Sheet15
DTVSoundInput <- Sheet3
AnalogSoundIN <- Sheet15
SystemClock
Filter <-> Sheet15
IIC2 -> Sheet1
PWM OUT -> Sheet15
AnalogSoundOUT -> Sheet15
DigitalSoundOUT -> Sheet12

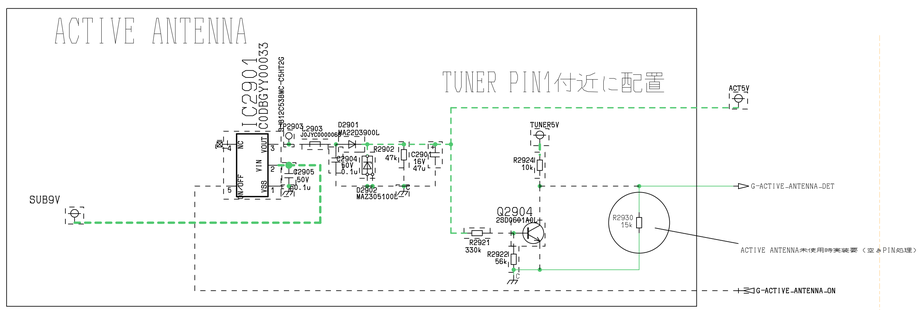
[Block Class]

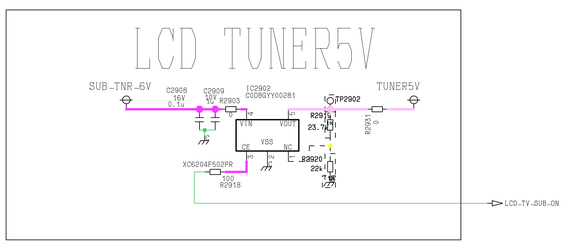
MODEL

REF No. 2900-2999

Application Model

S10



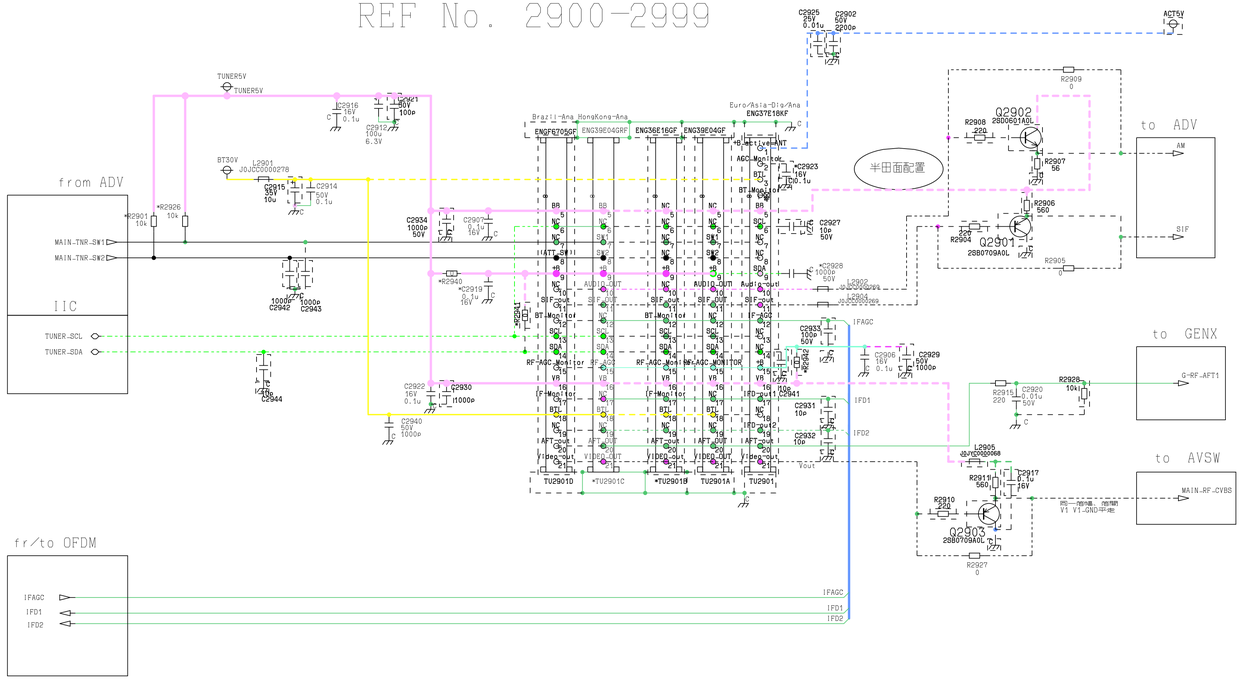


[Block Class]

DEST

PAL

REF No. 2900-2999



[Block Class]

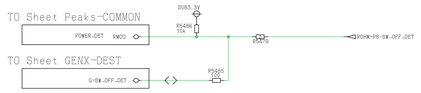
MODEL

REF No. 5400-5499

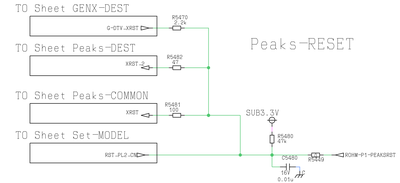
Application Model

S10

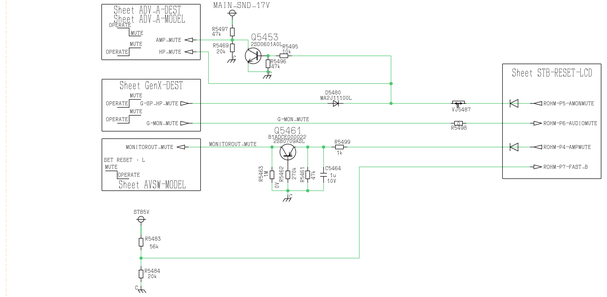
ROHM-SW-OFF-DET



ROHM-PEAKS-RESET



ROHM-MUTE

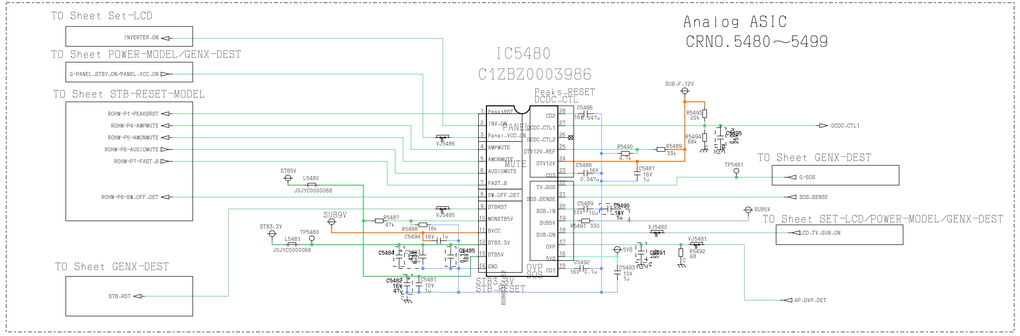


[Block Class]

FPD

LCD

REF No. 5400-5499



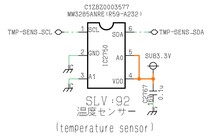
[Block Class]

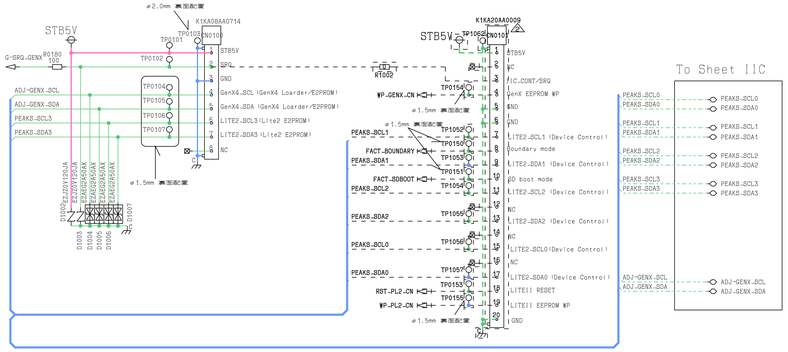
FPD

LCD

REF No. 2750-2899

REF No. 0100-0199





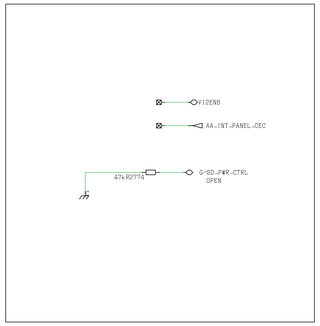
[Block Class]

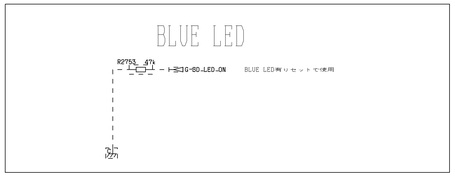
MODEL

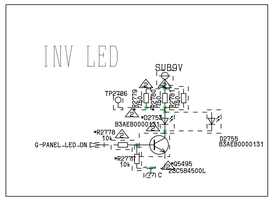
REF No. 2750-2899

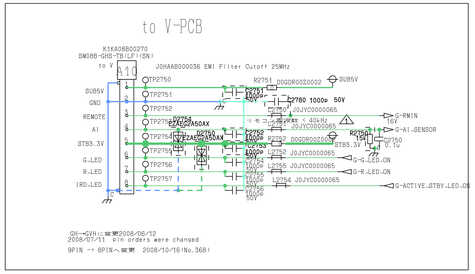
Application Model

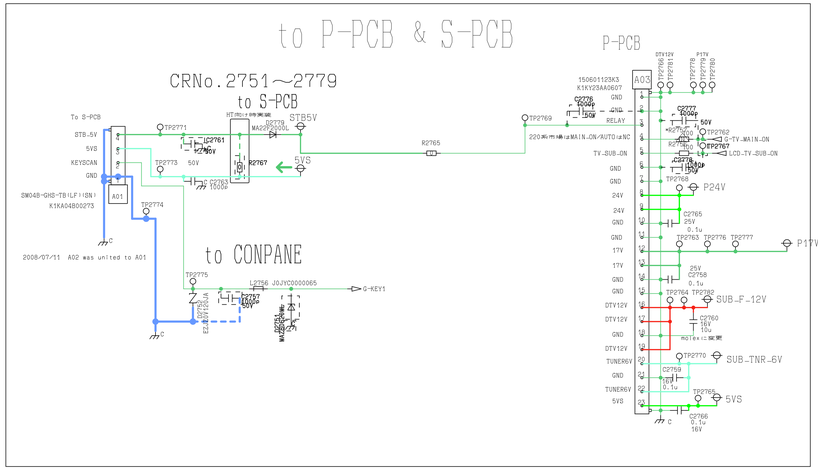
S10

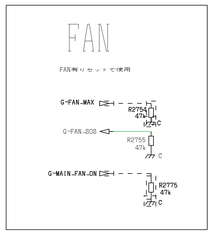


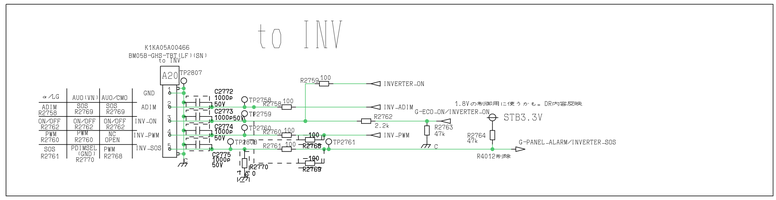












SUB1.2V–1.8V

SUB_F_12V

L5604 G1C100MA0203

L5605 J0JHC0000045

PA5601 ERBSE2R50U

C5631 16V 47u

C5632 16V 1u

C5619 16V 10u

C5611 16V 10u

C5630 16V

C5618 16V 10u

C5612 16V 10u

C5610 16V

VJ5600

R5630 3.3k 1%

C5624 25V 3300p

R5632 4.02k 1%

C5621 25V 0.01u

R5634 20k 1%

C5644 16V 1u

R5635 5.6

R5633 16k 1%

R5631 3.9k 1%

R5629 2.1k

C5623 25V 2700p 1%

C5616 16V 0.027u

IC5601 C0DBAYY00480 MB39A139PFT-G-JN-ERE1

1 CTL1		CB1	24
2 CS1		DRVH1	23
3 FB1		LX1	22
4 VO1		DRVL1	21
5 ILIM1		VCC	20
6 GND		VB	19
7 CVBLPF		PGND	18
8 CTL2		DRVL2	17
9 ILIM2		LX2	16
10 VO2		DRVH2	15
11 FB2		CB2	14
12 CS2		TEST	13

基準電圧・周波数
CH1=0.7V・310kHz
CH2=1.2V・410kHz

C5626 16V 0.1u

VJ5602

VJ5603

C5620 16V 0.1u

VJ5604

VJ5605

C5622 10V 4.7u

C5627 16V 0.1u

Q5601 B1MBDDA00003 SP8K1TB

Q5602 B1MBDDA00003 SP8K1TB

D5601 MA22D3900U

D5602 MA22D3900L

L5601 G1C3R3Z00004

L5600 G1C2R2Z00007

C5629 2.5V 68u

C5628 2.5V 68u

TP5602

TP5601

D5607

D5608

C5641 16V 0.1u

C5635 6.3V

D5618 MAZ80470ML

D5619 MA2J11100L

D5612 MAZ80470ML

D5613 MA2J11100L

AP_OVP_DET

SUB1.2V

1600mA/1.26V

SUB1.8V

1490mA/1.835V

DCDC_CTL1

68 R5620

SUB3.3V

L5608 G1C100MA0077

C5642 16V 10u

C5615 16V 10u

C5609 16V

VJ5601

R5605 2.2k 1%

C5607 25V 2700p 1%

R5604 3.9k 1%

C5604 25V 6800p

R5610 5.6

R5603 24k 1%

C5606 1u 16V

IC5600 C0DBAYY00480 MB39A139PFT-G-JN-ERE1

1 CTL1		CB1	24
2 CS1		DRVH1	23
3 FB1		LX1	22
4 VO1		DRVL1	21
5 ILIM1		VCC	20
6 GND		VB	19
7 CVBLPF		PGND	18
8 CTL2		DRVL2	17
9 ILIM2		LX2	16
10 VO2		DRVH2	15
11 FB2		CB2	14
12 CS2		TEST	13

基準電圧・周波数
CH1=0.7V・310kHz
CH2=1.2V・410kHz

C5643 16V 0.1u

VJ5606

VJ5607

C5605 10V 4.7u

C5603 16V 0.1u

Q5600 B1MBDDA00003 SP8K1TB

D5605 MA22D3900L

L5602 G1C4R7Z00014

7055サイズにしてます。
6045サイズでもOKの場合あり

C5602 6.3V 100u

D5626 MAZ80470ML

D5627 MA2J11100L

TP5600

D5600

C5640 16V 0.1u

C5636 16V 0.1u

C5638 16V 0.1u

C5639 16V 0.1u

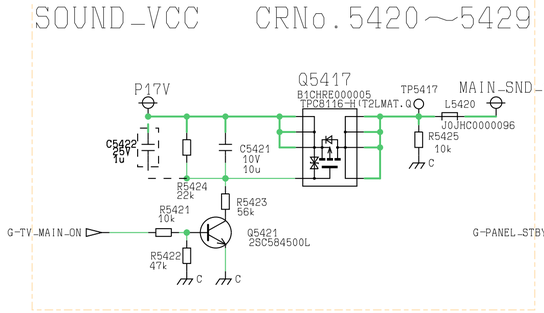
C5637 16V 0.1u

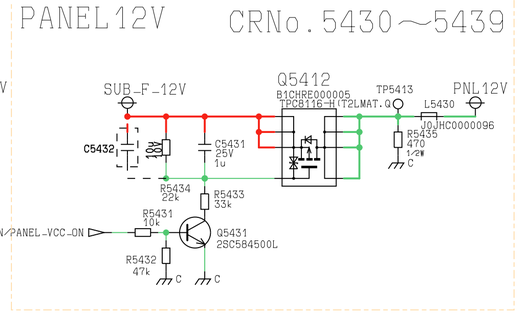
C5634 6.3V

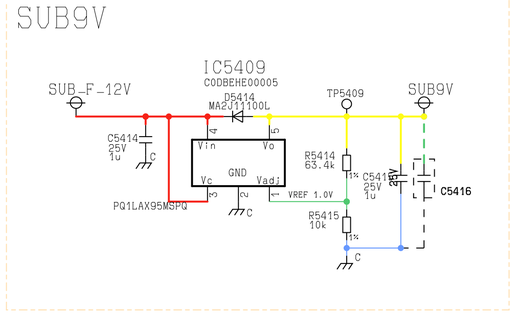
C5633 6.3V

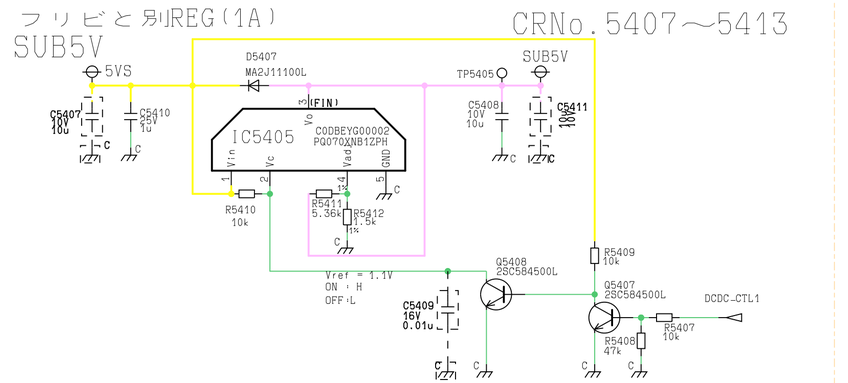
SUB3.3V

1900mA/3.31V

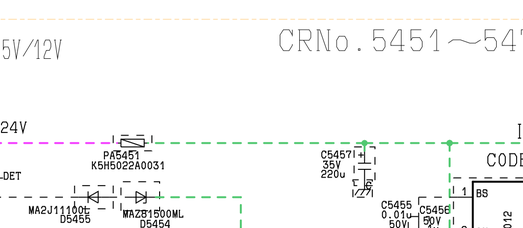








フリビと共用



POWER-MODEL

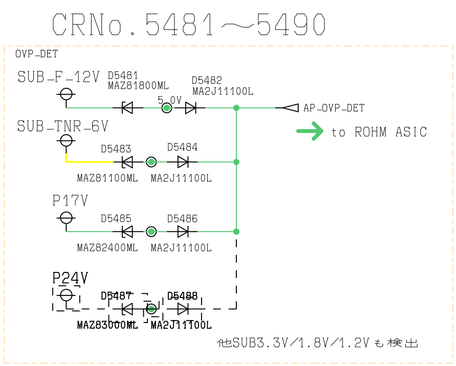
REF No. 5400-5499

[Block Class]

MODEL

Application Model

S10



SD

USE SD-IF

SD-POWER

For LCD

SD-IF

USB-IF

USE USB-SD

[Block Class]

SD

REF No. 8000-6999

Application Model

USE SD-IF

For LCD

ADMPX

NON USE Adress Data Multi PleX

[Block Class]

ADMPX

REF No. 8000-6999

Application Model

NON USE Adress Data Multi PleX

CI CONNECTOR

USE LO HEIGHT

[Block Class]

CI

REF No. 8000-6999

Application Model

USE LOW HEIGHT

FE1

[Block Class]

FE1

REF No. 8000-6999

Application Model

FreeSat

PCI

PCI ENABLE & USE LAN

PCI ENABLE & NON USE LAN

PCI DISABLE (USE VOP)

[Block Class]

PCI

REF No. 8000-6999

Application Model

PCI ENABLE & USE LAN

FLASH

NOR & NAND USE

NAND

BOOTROM

8680-8599 NOR

NOR USE

[Block Class]

FLASH

REF No. 8000-6999

Application Model

NOR & NAND USE

SS

USE SS (LCD)

[Block Class]

SS

REF No. 8000-6999

Application Model

S10 : USE SS

EEPROM

EEPROM

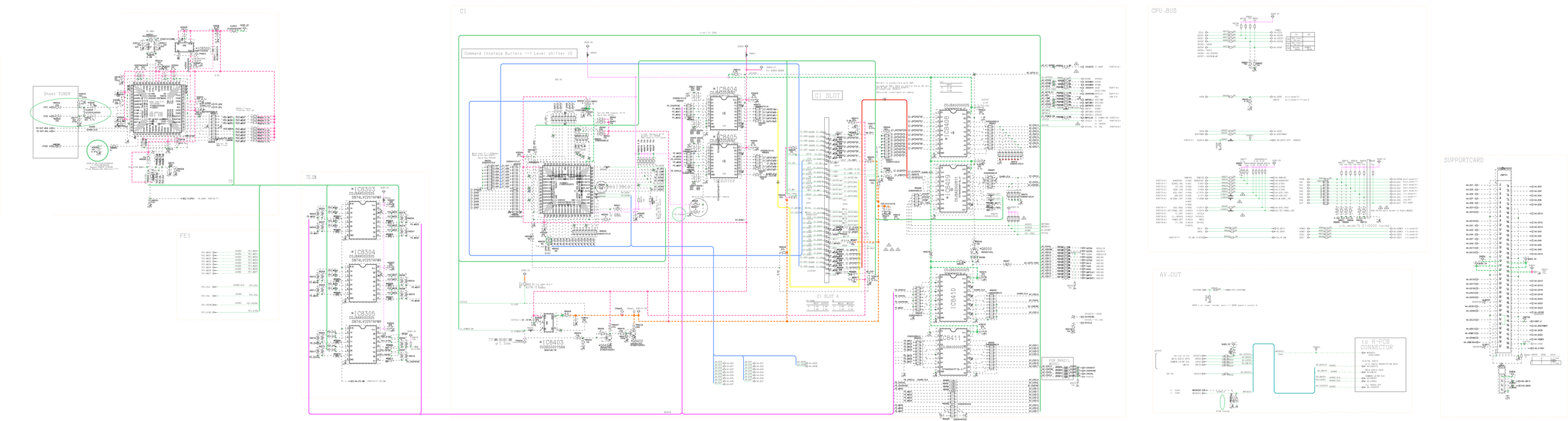
[Block Class]

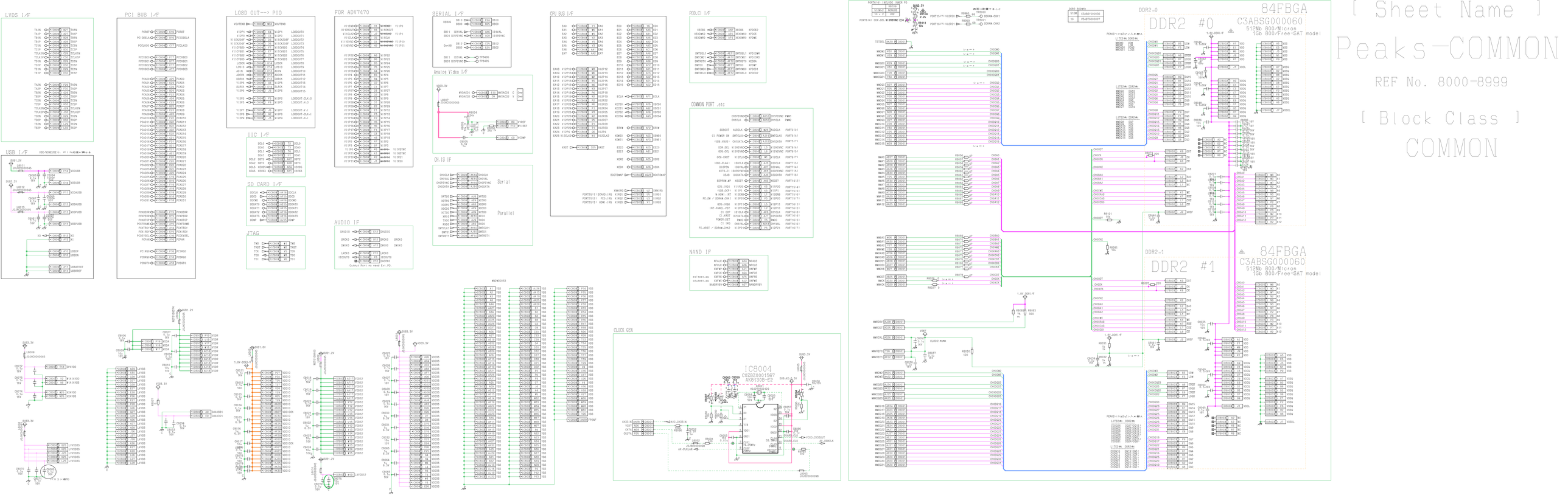
EEPROM

REF No. 8000-6999

Application Model

S10 : EEPROM


Sheet TUNER
TS
TS.SW
PE1
CI
CI SLOT
CI SLOT A
CI BUFFER
CPU_BUS
AV_OUT
SUPPORTCARD
to M-PCB CONNECTOR
FOR BRAZIL
Command Interface Buffers ---> Level shifter IC
*IC8303
*IC8304
*IC8305
*IC8403
*IC8404
*IC8405
*IC8409
*IC8410
*IC8411
*IC8200
CN8701


LVDS I/F
PCI BUS I/F
LOSD OUT--> PIO
FOR ADV7470
SERIAL I/F
CPU BUS I/F
PCI.CI I/F
USB I/F
IIC I/F
SD CARD I/F
JTAG
Analog Video I/F
CK.IS I/F
Serial
Parallel
COMMON PORT .etc
NAND I/F
AUDIO I/F
CLOCK GEN
IC8004
C02BZ0001567
AK6153GB-E2
DDR2-0
DDR2 #0
84FBGA
C3ABSG000060
512Mb 800/Micron
1Gb 800/Free-SAT model
DDR2-1
DDR2 #1
[Sheet Name]
Peaks-COMMON
REF No. 8000-8999
[Block Class]
COMMON

TO Sheet GenX

G-SOURCE-XRST/PANEL-TEST-ON

G-PANEL-AGW

VIDEO

TO Sheet Peaks-COMMON

LOSD From AVC

LOSDOUT0 V1P1
LOSDOUT1 V1P0
LOSDOUT2 V1CK26BF
LOSDOUT3 V1CK204F
LOSDOUT4 V1CVBS0
LOSDOUT5 V1CVBS1
LOSDOUT6 V1CVBS2
LOSDOUT7 V1CVBS3
LOSDOUT8 LCSCK
LOSDOUT9 LCSI0
LOSDOUT10 ADIN
LOSDOUT11 ADCCK
LOSDOUT12 DSRCK
LOSDOUT13 V1P5
LOSDOUT14 SLRCK
LOSDOUT15 V1P6

LOSDOUT-CLK-O V1P2
LOSDOUT-H-O V1P3

LOSDOUT-V-I V1P7
LOSDOUT-CLK-I V1P8
LOSDOUT-H-I V1P9

R4277 10k
R4285 10k
R4284 10k
R4286 10k

BACKEND CTRL From AVC

OSD-FLAG PORT713 I SCLK
DISPEN PORT714 I SDVAL

R4294 10k

TO Sheet GenX

BACKEND CTRL From GenX

G-HG-XRST
G-MID-VOUTENB
G-BACK-VOUTENB

TO Sheet Peaks-COMMON

GC6 CTRL From AVC

GC6-SCL PORT615 I V12VSYNC
GC6-XRST PORT617 I V12CLK

R4300 10k

GC6-IRQ1(VBI) PORT514
GC6-IRQ0(IPR) PORT611

TO Sheet Peaks-DEST

(IRQ VBI) AA-GC6-IRQ1
(IRQ IPR) AA-GC6-IRQ0

PWM CONTROL

TO Sheet Peaks-COMMON

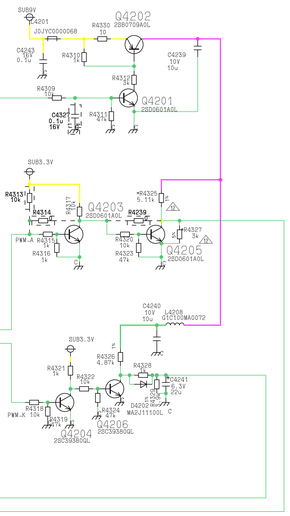
PWM1 CH1PSYNC
PWM2 CH1CLK

TO Sheet GenX

G-GRAB-MODULE-I2C-PWM-PON-ON

TO Sheet Set

INV-ADIM
INV-PWM



Lite2
to Sheet 002
LVDS OUT

Rx0- TA1N
Rx0+ TA1P
Rx1- TB1N
Rx1+ TB1P
Rx2- TC1N
Rx2+ TC1P
RxCLK- TCLK1N
RxCLK+ TCLK1P
Rx3- TD1N
Rx3+ TD1P
Rx4- TE1N
Rx4+ TE1P
TA2N
TA2P
TB2N
TB2P
TC2N
TC2P
TCLK2N
TCLK2P
TD2N
TD2P
TE2N
TE2P

FL4201 EXC28CE201U
FL4202 EXC28CE201U
FL4203 EXC28CE201U
FL4204 EXC28CE201U
FL4205 EXC28CE201U
FL4206 EXC28CE201U

LVDS信号の伝送に配慮

SIDE

A11 X1KB51B00003

PANEL側

1	GND	GND	
2	TEST	NC	NC=通常 L=TEST
3	AGW	NC	
4	IC(NC)	NC	
5	IC(NC)	NC	
6	IC(NC)	NC	
7	LVDSSEL	LVDSSEL	H=JEIDA L/NC=VESA
8	IC(NC)	NC	
9	NC	NC	
10	NC	NC	
11	GND	GND	
12	RxA0-	RxA0-	
13	RxA0+	RxA0+	
14	RxA1-	RxA1-	
15	RxA1+	RxA1+	
16	RxA2-	RxA2-	
17	RxA2+	RxA2+	
18	GND	GND	
19	CLKA-	CLKA-	
20	CLKA+	CLKA+	
21	GND	GND	
22	RxA3+	RxA3+	
23	RxA3+	RxA3+	
24	NC	R1EN(NC)	
25	NC	R1EP(NC)	
26	GND	Reserved	
27	GND	Bit select	H/NC=10bit L=8bit
28	RxB0-	RxB0-	
29	RxB0+	RxB0+	
30	RxB1-	RxB1-	
31	RxB1+	RxB1+	
32	RxB2-	RxB2-	
33	RxB2+	RxB2+	
34	GND	GND	
35	CLKB-	CLKB-	
36	CLKB+	CLKB+	
37	GND	GND	
38	RxB3+	RxB3+	
39	RxB3+	RxB3+	
40	NC	R2EN(NC)	
41	IC(NC)	R2EP(NC)	
42	GND	Reserved	
43	GND	Reserved	
44	GND	TEST	H=TEST L=通常
45	GND	GND	
46	GND	GND	
47	NC	NC	
48	VCC-12V	VCC-12V	
49	VCC-12V	VCC-12V	
50	VCC-12V	VCC-12V	
51	VCC-12V	VCC-12V	

Q4207 2SD601AQL
Q4807 2SD601AQL
R4357 10k
R4350 47k
R4863 10k
R4862 47k
R4358 0
R4359 0
R4366 0
R4361 0
R4362 0
TP4207
TP4211
TP4237
TP4238
TP4254
PNL12V
TP4208
R4201
L4210 JGJ4C0000049
TP4816
TP4813
TP4817
TP4815
TP4830
TP4209
ERB8EP250U
C4250 0.1u
C4251 0.1u
C4252 0.1u
C4253 0.1u
C4254 0.1u
C4255 0.1u
C4256 0.1u
C4257 0.1u
C4258 0.1u
C4259 0.1u
C4260 0.1u
C4261 0.1u
C4262 0.1u
C4263 0.1u
C4264 0.1u
C4265 0.1u
C4266 0.1u
C4267 0.1u
C4268 0.1u
C4269 0.1u
C4270 0.1u
C4271 0.1u
C4272 0.1u
C4273 0.1u
C4274 0.1u
C4275 0.1u
C4276 0.1u
C4277 0.1u
C4278 0.1u
C4279 0.1u
C4280 0.1u
C4281 0.1u
C4282 0.1u
C4283 0.1u
C4284 0.1u
C4285 0.1u
C4286 0.1u
C4287 0.1u
C4288 0.1u
C4289 0.1u
C4290 0.1u
C4291 0.1u
C4292 0.1u
C4293 0.1u
C4294 0.1u
C4295 0.1u
C4296 0.1u
C4297 0.1u
C4298 0.1u
C4299 0.1u
C4300 0.1u
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[Sheet Name]

LVDS-MODEL

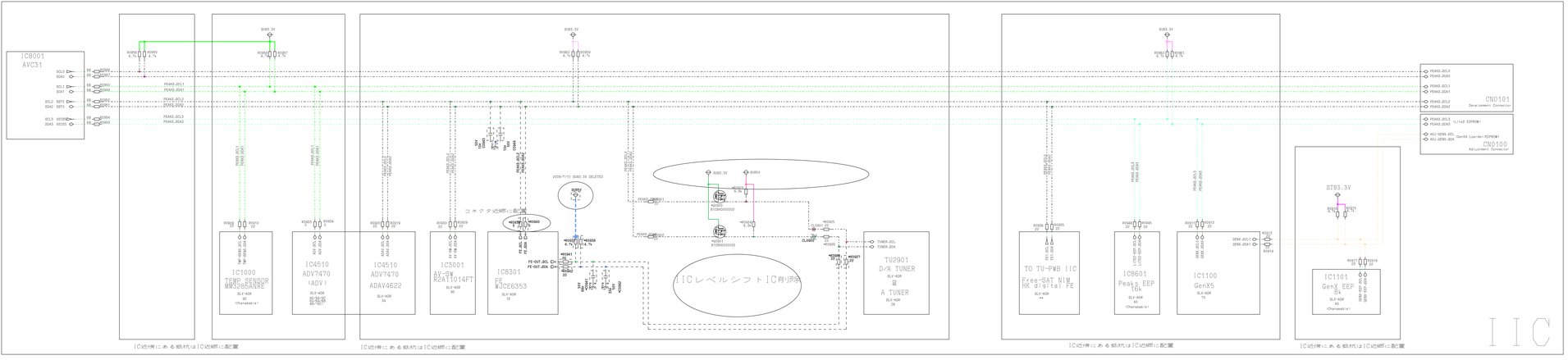
REF No. 4000-4999

[Block Class]

MODEL

Application Model

S10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SDA1
SCL2
SDA2
SCL3
SDA3
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[Block Class]

DEST
PAL

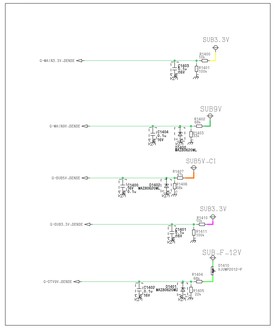
REF No. 1100~1399

PIN INFORMATION

C-2009-shigen080703.xls

R-LED_ON = DIR: 0 L: OFF H: ON STB-RTD: H
G-LED_ON = DIR: 0 L: OFF H: ON STB-RTD: L
B-LED_ON = DIR: 0 L: OFF H: ON STB-RTD: L
ON-LED_ON = DIR: 0 L: OFF H: ON STB-RTD: L
ACT-HI_STBY-LED_ON = DIR: 0 L: OFF H: ON STB-RTD: L
TV_MUTE_ON = DIR: 0 L: OFF H: ON STB-RTD: L
PANEL_ATTY_ON-PANEL_VCC_ON = DIR: 0 L: OFF H: ON STB-RTD: L
PANEL_ATTY_ON-PANEL_VCC_ON = DIR: 0 L: OFF H: ON STB-RTD: H/L
SPKR_MODULE_CC-TYPE_PTA_ON = DIR: 0 L: Power-Up=OUTPUT H: Set=5-Vac=DC-ON STB-RTD: L
HDMI_HPP_ON = DIR: 0 L: DISABLE H: ENABLE STB-RTD: L
AUDIO_HRST = DIR: 0 L: RESET H: ACTIVE STB-RTD: L
ADA_HRST = DIR: 0 L: RESET H: ACTIVE STB-RTD: L
SOUND_HRST = DIR: 0 L: RESET H: ACTIVE STB-RTD: L
DIGMOD_HRST = DIR: 0 L: RESET H: ACTIVE STB-RTD: L
NG_HRST = DIR: 0 L: RESET H: ACTIVE STB-RTD: L
MCU_HSYSTEM = DIR: 0 L: OFF H: OUTPUT STB-RTD: L
PANEL_HRST = DIR: 0 L: comm_NC H: comm_ON STB-RTD: -
MAIN_HRST = DIR: 0 L: RESET H: NORMAL STB-RTD: NOMAL/RST STB-RTD: -
DVB_SI_HRST = DIR: 0 L: RESET H: NORMAL STB-RTD: -
MAINAV_HRST = DIR: 0 L: RESET H: NORMAL STB-RTD: -
DTVAV_HRST = DIR: 0 L: RESET H: NORMAL STB-RTD: -
MVPEG_HRST = DIR: 0 L: RESET H: NORMAL STB-RTD: -
MAINAV_HRST_DEMOD = DIR: 0 L: RESET H: NORMAL STB-RTD: -
Gen3-EEP-WP = DIR: 0 L: W=> H=> PROTECT STB-RTD: H
TV_DVB_ON = DIR: 0 L: OFF H: ON STB-RTD: L
MCU_HRST = DIR: 0 L: RESET H: ACTIVE STB-RTD: L
MCN_MUTE = DIR: 0 L: OUTPUT H: MUTE STB-RTD: L
DTV_HRST = DIR: 0 L: RESET H: ACTIVE STB-RTD: L
SD_HRST_DTV = DIR: 0 L: RESET H: NORMAL H: RESET STB-RTD: -
DM_OFF_OUT = DIR: 1->0 L: EMERGENCY H: NORMAL STB-RTD: L
HPD1 = DIR: 0 L: ENABLE H: DISABLE STB-RTD: L
HPD2 = DIR: 0 L: ENABLE H: DISABLE STB-RTD: L
HPD3 = DIR: 0 L: ENABLE H: DISABLE STB-RTD: L
HPD4 = DIR: 0 L: ENABLE H: DISABLE STB-RTD: L
HPD5 = DIR: 0 L: ENABLE H: DISABLE STB-RTD: L
SMA_Gen3 = DIR: 1 L: I/C STOP H: NORMAL STB-RTD: -
SOUND_RST = DIR: 0 L: NORMAL H: RST STB-RTD: -
SCK = DIR: 1 L: NORMAL H: RUN STB-RTD: -
SDA = DIR: 1 L: I/C STOP H: NORMAL STB-RTD: L
SYS_FLL_ON = DIR: 0 L: OFF H: ON STB-RTD: L
Peaks_Ver1_HRST = DIR: 0 L: RESET H: ACTIVE STB-RTD: L
SDA1 = DIR: I/O L: W=> H=> STB-RTD: L
SCL1 = DIR: I/O L: W=> H=> STB-RTD: L
SDA2 = DIR: I/O L: W=> H=> STB-RTD: H
SCL2 = DIR: I/O L: W=> H=> STB-RTD: H
SDA3 = DIR: I/O L: W=> H=> STB-RTD: H
SCL3 = DIR: I/O L: W=> H=> STB-RTD: H
SLCMD = DIR: ALLIN L: Write H: Read STB-RTD: -
HDMI_CEC = DIR: CEC L: HDMI CEC H: STB-RTD: -
A1-DEMOD = DIR: ADC L: Data H: Byte STB-RTD: -
KEY1 = DIR: ADC DAC STB-RTD: -
PF_HRST = DIR: ADC L: Boundary H: Ordinary STB-RTD: -
PF_ATT1 = DIR: ADC L: Lower Window H: Local Dimming STB-RTD: -
PANEL_LED_ON = DIR: 0 L: OFF H: ON STB-RTD: L
Native_Aliasing_On1 = DIR: 1 L: Normal H: DEMOT STB-RTD: -
SSCDA0 = DIR: SSCI/O L: W=> STB-RTD: -
SSCDA1 = DIR: SSCI/O L: W=> STB-RTD: -
SSCDA2 = DIR: SSCI/O L: W=> STB-RTD: -
SSCSCL1 = DIR: SSCI/O L: W=> STB-RTD: -
SSCSCL2 = DIR: SSCI/O L: W=> STB-RTD: -
SSCSCL3 = DIR: SSCI/O L: W=> STB-RTD: -
SSCSCL4 = DIR: SSCI/O L: W=> STB-RTD: -
SSCSCL5 = DIR: SSCI/O L: W=> STB-RTD: -
EEP-WP = DIR: 0 L: PROTECT H: W=> STB-RTD: L
MAIN_ON = DIR: 0 L: OFF H: ON STB-RTD: L
MAIN_FAN_ON = DIR: 0 L: OFF H: ON STB-RTD: -
FAN_MAX = DIR: H PDF L:12V H:-0.09 H:7V -: LCD L:7V H:9V STB-RTD: L
FAN_DCR = DIR: 0 L: NORMAL H: DCR STB-RTD: -
HDMI_CEC_PU_ON = DIR: 0 L: OPEN H: ON STB-RTD: L
HDMI_5V_DET1 = DIR: 1 L: Unmeasured H: Powered STB-RTD: -
HDMI_5V_DET2 = DIR: 1 L: Unmeasured H: Powered STB-RTD: -
HDMI_5V_DET3 = DIR: 1 L: Unmeasured H: Powered STB-RTD: -
HDMI_5V_DET4 = DIR: 1 L: Unmeasured H: Powered STB-RTD: -

SOS



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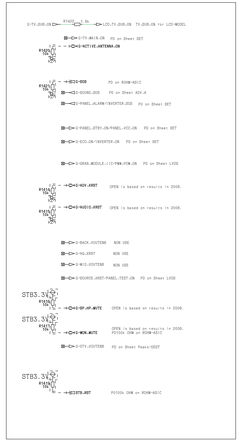
MODEL

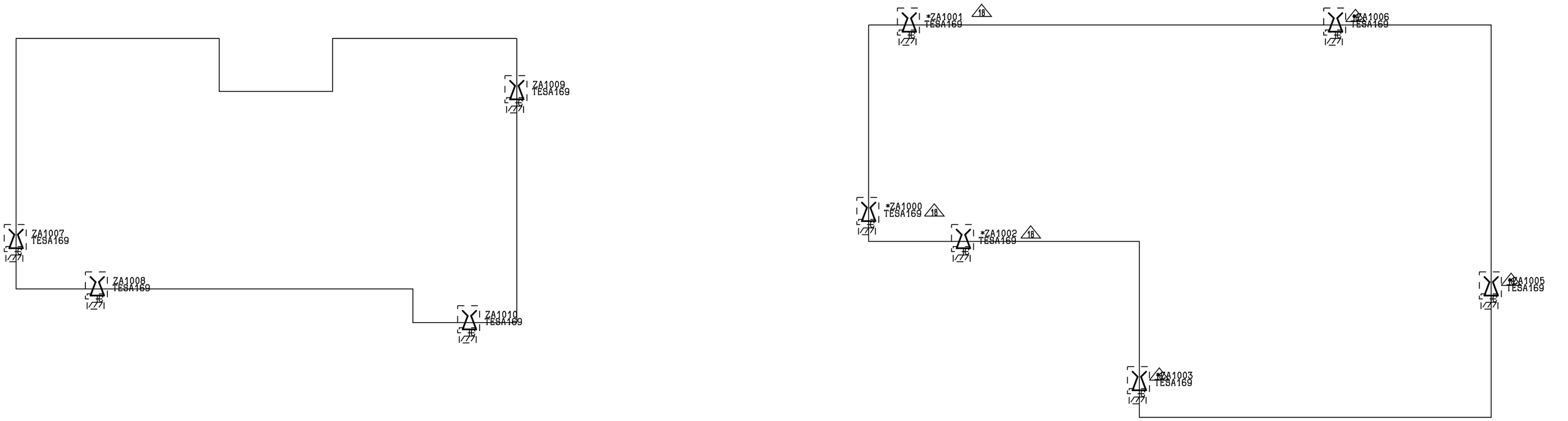
REF No. 1400~1499

Application Model

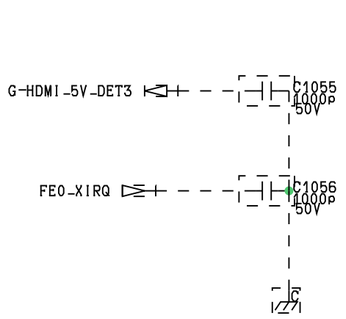
S10

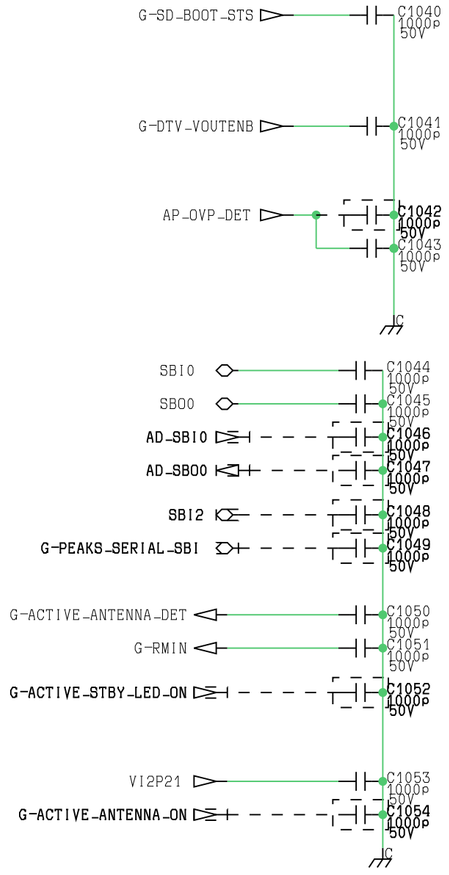
Power off reset time polarity setting

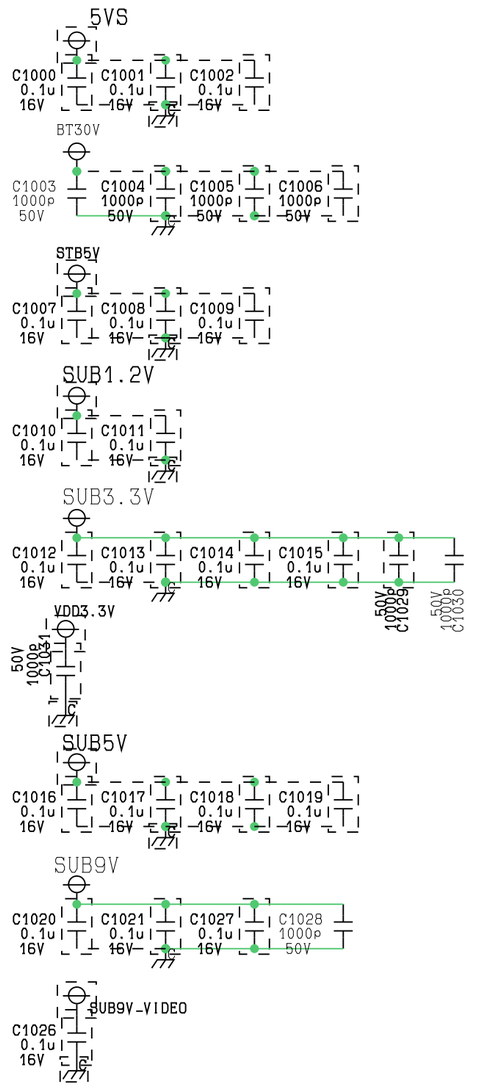


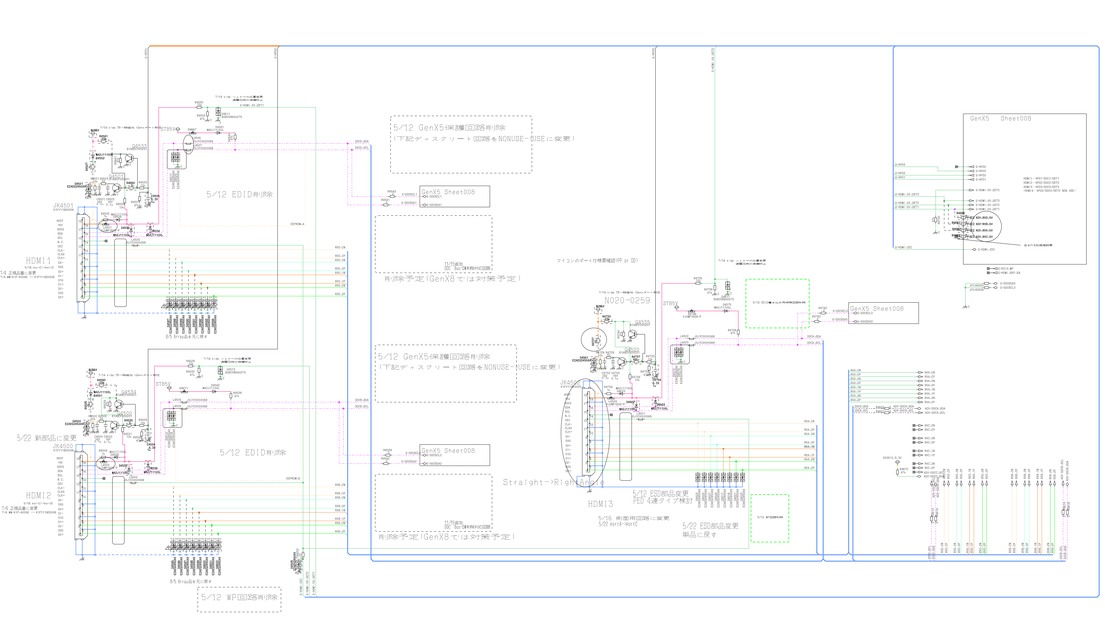

ZA1009
TESA169
ZA1007
TESA169
ZA1008
TESA169
ZA1010
TESA169
*ZA1001
TESA169
ZA1006
TESA169
*ZA1000
TESA169
*ZA1002
TESA169
ZA1005
TESA169
ZA1003
TESA169

EMC/RF


G-HDMI-5V-DET3
C1055
1000p
50V
FE0-XIRQ
C1056
1000p
50V


G-SD-BOOT-STS
C1040
1000p
50V
G-DTV-VOUTENB
C1041
1000p
50V
AP-OVP-DET
C1042
1000p
50V
C1043
1000p
50V
SBI0
C1044
1000p
50V
SBO0
C1045
1000p
50V
AD-SBI0
C1046
1000p
50V
AD-SBO0
C1047
1000p
50V
SBI2
C1048
1000p
50V
G-PEAKS-SERIAL-SBI
C1049
1000p
50V
G-ACTIVE-ANTENNA-DET
C1050
1000p
50V
G-RMIN
C1051
1000p
50V
G-ACTIVE-STBY-LED-ON
C1052
1000p
50V
VI2P21
C1053
1000p
50V
G-ACTIVE-ANTENNA-ON
C1054
1000p
50V


5VS
C1000
0.1u
16V
C1001
0.1u
16V
C1002
0.1u
16V
BT30V
C1003
1000p
50V
C1004
1000p
50V
C1005
1000p
50V
C1006
1000p
50V
STB5V
C1007
0.1u
16V
C1008
0.1u
16V
C1009
0.1u
16V
SUB1.2V
C1010
0.1u
16V
C1011
0.1u
16V
SUB3.3V
C1012
0.1u
16V
C1013
0.1u
16V
C1014
0.1u
16V
C1015
0.1u
16V
50V
C1029
50V
C1030
VDD3.3V
50V
C1031
SUB5V
C1016
0.1u
16V
C1017
0.1u
16V
C1018
0.1u
16V
C1019
0.1u
16V
SUB9V
C1020
0.1u
16V
C1021
0.1u
16V
C1027
0.1u
16V
C1028
1000p
50V
SUB9V-VIDEO
C1026
0.1u
16V



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MODEL

REF No. 4500-4799

Application Model

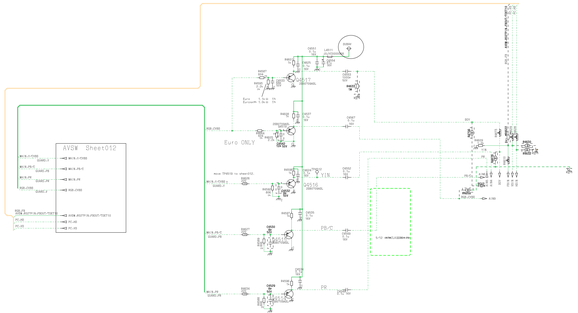
S10

[Block Class]

DEST

PAL

REF No. 4500-4799



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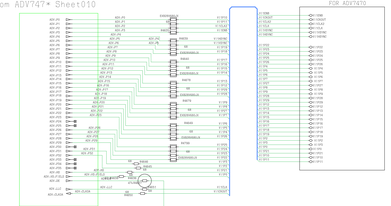
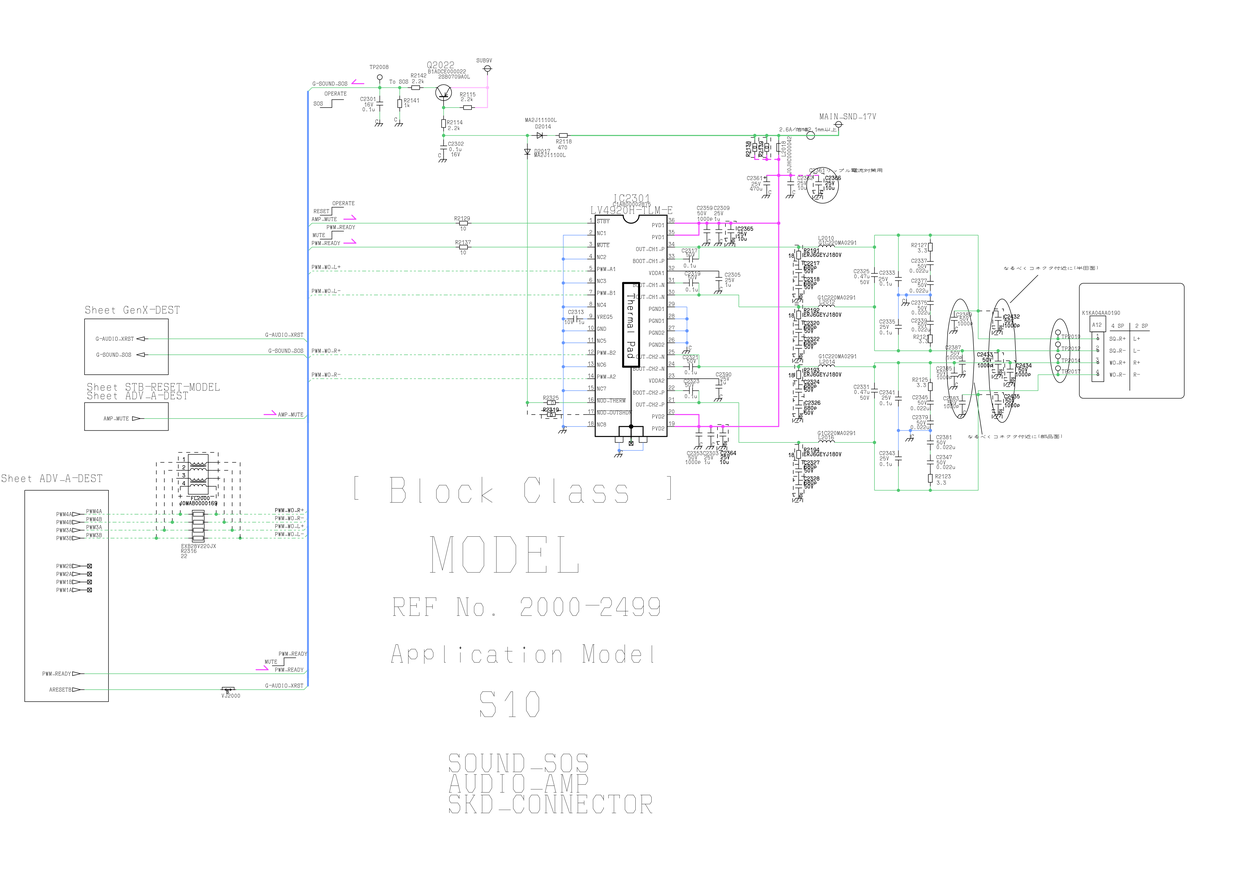
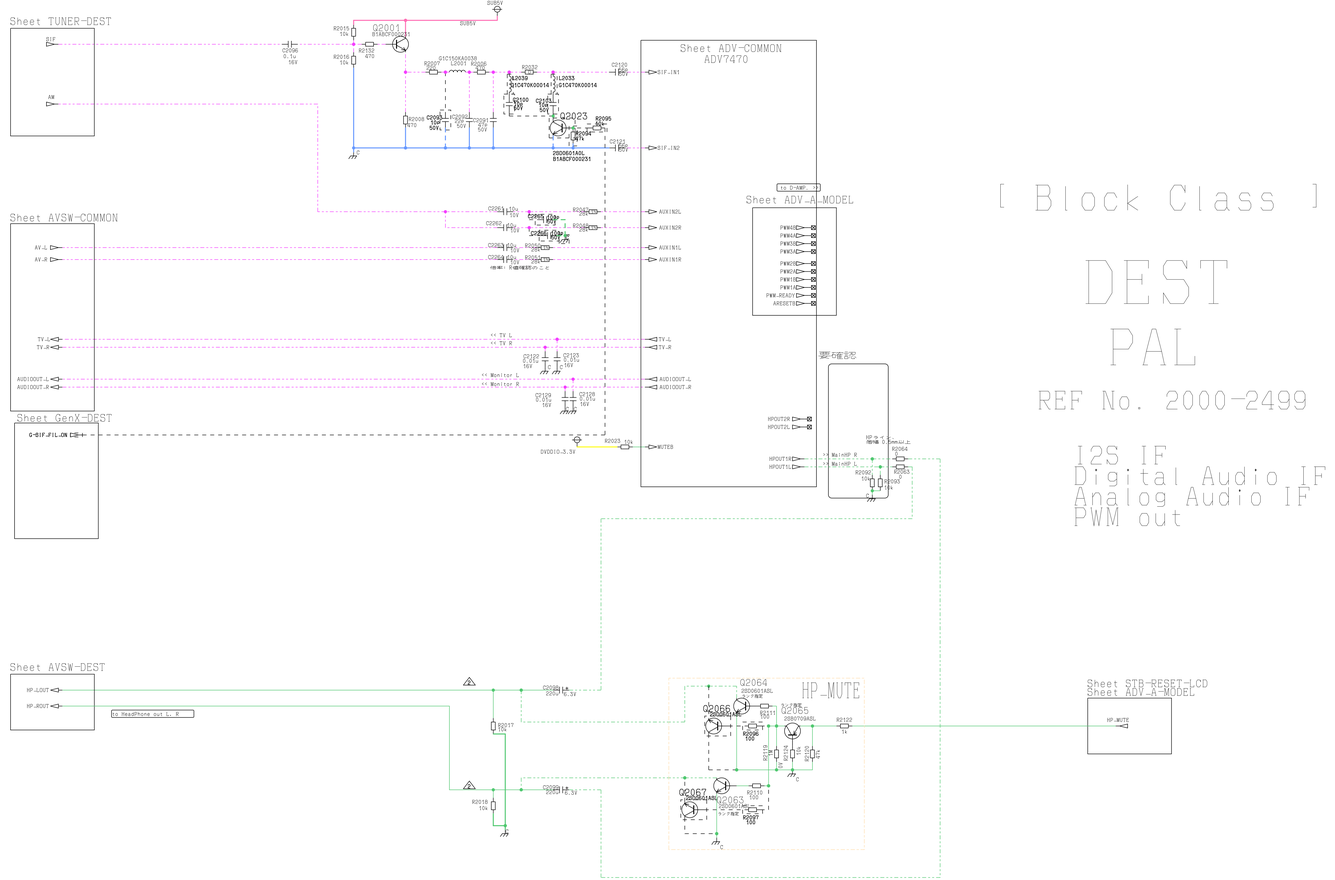
SYSTEM

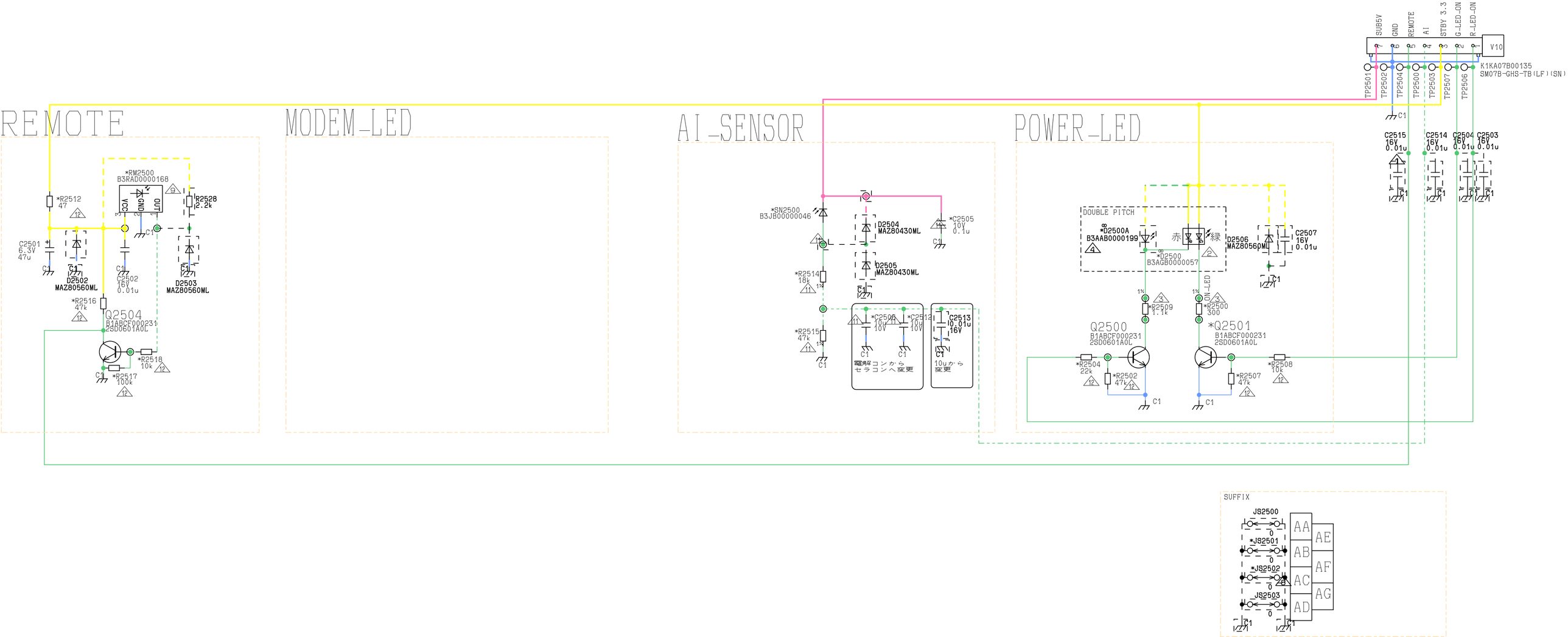
AVC

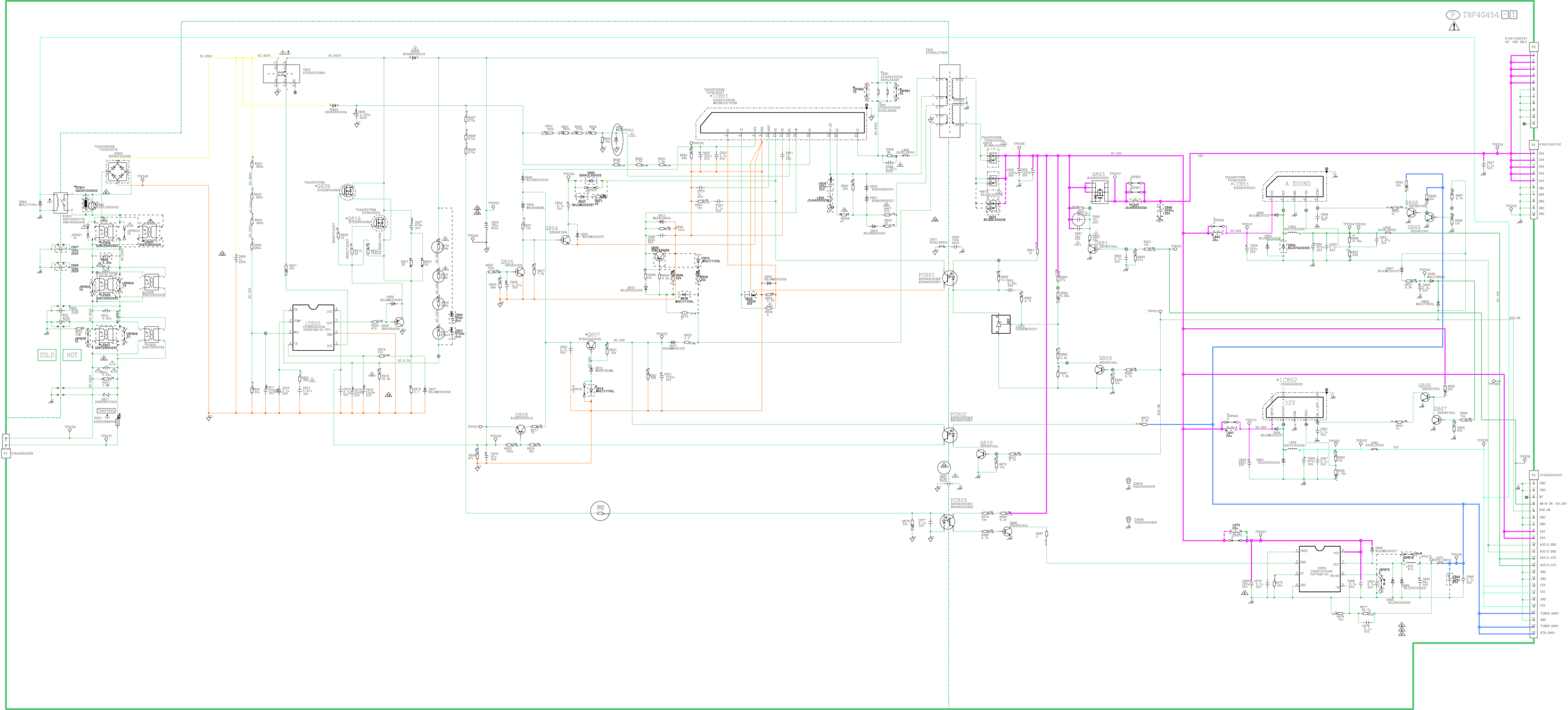
REF No. 4500-4799

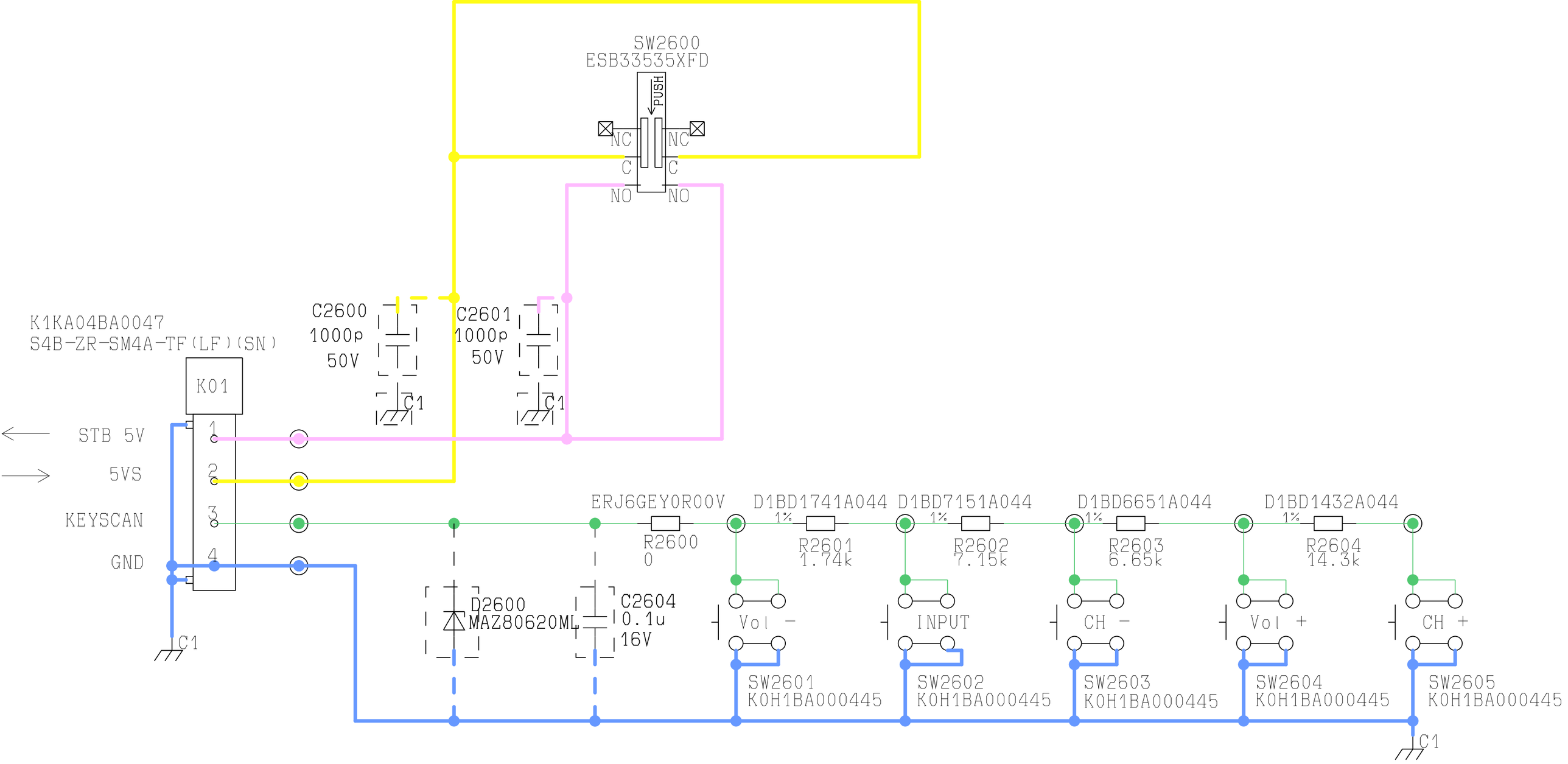



[Block Class]
MODEL
REF No. 2000-2499
Application Model
S10
SOUND-SOS
AUDIO-AMP
SKD-CONNECTOR
Sheet GenX-DEST
Sheet STB-RESET-MODEL
Sheet ADV-A-DEST
Sheet ADV-A-DEST
IC2301
LV49204VH-MPB-E
MAIN_GND-17V
SUB5V
G-SOUND-SOS
G-AUDIO-XRST
AMP-MUTE
PWM_READY
MUTE
PWM-WO-L+
PWM-WO-L-
PWM-WO-R+
PWM-WO-R-
ATMA00001109
X2000
AREESTB


[Block Class]
DEST
PAL
REF No. 2000-2499
I2S IF
Digital Audio IF
Analog Audio IF
PWM out
Sheet TUNER-DEST
Sheet AVSW-COMMON
Sheet GenX-DEST
Sheet AVSW-DEST
Sheet ADV-COMMON
ADV7470
Sheet ADV-A-MODEL
Sheet STB-RESET-LCD
Sheet ADV-A-MODEL
HP_MUTE
SUB5V
SVDD1O-3.3V
G-SIF.FIL.ON
HP-LOUT
HP-ROUT
HP_MUTE


REMOTE
MODEM_LED
AI_SENSOR
POWER_LED
SUB5V
GND
REMOTE
AI
STBY 3.3
G_LED_ON
R_LED_ON
V10
K1KA07B00135
SM07B-GHS-TB(LF)(SN)
TP2501
TP2502
TP2504
TP2500
TP2503
TP2507
TP2506
*RM2500
B3RAD0000168
VCC
GND
OUT
*R2512
47
R2528
2.2k
C2501
6.3V
47u
D2502
MAZ80560ML
C2502
16V
0.01u
D2503
MAZ80560ML
*R2516
47k
Q2504
B1ABCF000231
2SD0601A0L
*R2518
10k
*R2517
100k
*SN2500
B3JB00000046
D2504
MAZ80430ML
D2505
MAZ80430ML
*C2505
10V
0.1u
*R2514
18k
*R2515
47k
*C2506
10V
10V
*C2512
10V
10V
C2513
0.01u
16V
電解コンから
セラコンへ変更
10uから
変更
DOUBLE PITCH
*D2500A
B3AAB0000199
赤
緑
*D2500
B3AGB0000057
D2506
MAZ80560ML
C2507
16V
0.01u
ON_LED
*R2509
1.1k
*R2500
300
Q2500
B1ABCF000231
2SD0601A0L
*Q2501
B1ABCF000231
2SD0601A0L
*R2504
22k
*R2502
47k
*R2507
47k
*R2508
10k
C2515
16V
0.01u
C2514
16V
0.01u
C2504
16V
0.01u
C2503
16V
0.01u
SUFFIX
JS2500
*JS2501
*JS2502
JS2503
AA
AB
AC
AD
AE
AF
AG


P TNP4G454
COLD
HOT
A SOUND
12V
DC-24V
DC-12V
DC-5V
DC-2.5V
DC-20V
DC-450V
AC-500V
SUB-ON
24V
12V
TUNER_SREV
STB_SREV


SW2600
ESB33535XFD
PUSH
NC
NC
C
C
NO
NO
K1KA04BA0047
S4B-ZR-SM4A-TF(LF)(SN)
K01
C2600
1000p
50V
C1
C2601
1000p
50V
C1
STB 5V
5VS
KEYSCAN
GND
1
2
3
4
C1
D2600
MAZ80620ML
C2604
0.1u
16V
ERJ6GEY0R00V
R2600
0
D1BD1741A044
1%
R2601
1.74k
D1BD7151A044
1%
R2602
7.15k
D1BD6651A044
1%
R2603
6.65k
D1BD1432A044
1%
R2604
14.3k
Vol −
INPUT
CH −
Vol +
CH +
SW2601
K0H1BA000445
SW2602
K0H1BA000445
SW2603
K0H1BA000445
SW2604
K0H1BA000445
SW2605
K0H1BA000445
C1